

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077797.D
 Acq On : 08 Dec 2023 18:04
 Operator : JC/SY
 Sample : VD1208SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/11/2023
 Supervised By : Mahesh Dadoda 12/11/2023

Quant Time: Dec 08 23:12:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	141608	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	251751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	231885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115615	50.000	ug/l	0.00

12/11/2023
 Supervised By : Mahesh
 Dadoda

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86381	51.767	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.540%	
35) Dibromofluoromethane	7.804	113	85861	48.690	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.380%	
50) Toluene-d8	10.269	98	340225	48.172	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.340%	
62) 4-Bromofluorobenzene	12.575	95	103261	48.902	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.800%	

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Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	37698	21.311	ug/l	96
3) Chloromethane	2.152	50	56579	23.466	ug/l	98
4) Vinyl Chloride	2.287	62	72919	22.277	ug/l	99
5) Bromomethane	2.687	94	40067	21.814	ug/l	97
6) Chloroethane	2.834	64	50736	22.735	ug/l	98
7) Trichlorofluoromethane	3.175	101	65081	21.588	ug/l	99
8) Diethyl Ether	3.599	74	19601	23.155	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.963	101	34567	20.043	ug/l	98
10) Methyl Iodide	4.169	142	25020	21.062	ug/l	92
11) Tert butyl alcohol	5.052	59	9797	115.873	ug/l #	88
12) 1,1-Dichloroethene	3.940	96	35442	20.822	ug/l #	82
13) Acrolein	3.799	56	18297	103.659	ug/l	99
14) Allyl chloride	4.563	41	50125	21.411	ug/l	87
15) Acrylonitrile	5.252	53	42238	116.536	ug/l	98
16) Acetone	4.022	43	55804	140.983	ug/l #	82
17) Carbon Disulfide	4.269	76	120044	20.845	ug/l	100
18) Methyl Acetate	4.563	43	29093	22.138	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	82520	22.850	ug/l	97
20) Methylene Chloride	4.805	84	51030	23.230	ug/l #	83
21) trans-1,2-Dichloroethene	5.316	96	41655	21.605	ug/l #	80
22) Diisopropyl ether	6.222	45	112461	22.988	ug/l #	90
23) Vinyl Acetate	6.157	43	218811	91.589	ug/l	94
24) 1,1-Dichloroethane	6.116	63	72282	21.818	ug/l	98
25) 2-Butanone	7.075	43	63132	130.456	ug/l #	84
26) 2,2-Dichloropropane	7.075	77	58325	20.968	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	47565	22.928	ug/l	88
28) Bromochloromethane	7.428	49	27320	20.408	ug/l #	75
29) Tetrahydrofuran	7.446	42	31912	120.098	ug/l #	84
30) Chloroform	7.593	83	72032	21.724	ug/l	98
31) Cyclohexane	7.881	56	62478	21.051	ug/l	88
32) 1,1,1-Trichloroethane	7.793	97	63119	21.594	ug/l	98
36) 1,1-Dichloropropene	8.010	75	56806	20.139	ug/l	95
37) Ethyl Acetate	7.169	43	21421	19.476	ug/l #	89
38) Carbon Tetrachloride	7.993	117	55637	19.785	ug/l	99
39) Methylcyclohexane	9.269	83	64847	19.393	ug/l	92
40) Benzene	8.251	78	165405	20.661	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.404	41	12167	21.765	ug/l	#	87
42) 1,2-Dichloroethane	8.328	62	45426	21.890	ug/l		95
43) Isopropyl Acetate	8.357	43	42641	21.810	ug/l	#	90
44) Trichloroethene	9.028	130	43031	20.626	ug/l		84
45) 1,2-Dichloropropane	9.304	63	41315	21.229	ug/l		100
46) Dibromomethane	9.393	93	22649	21.995	ug/l		92
47) Bromodichloromethane	9.581	83	55303	21.188	ug/l	#	96
48) Methyl methacrylate	9.381	41	26270	23.637	ug/l	#	73
49) 1,4-Dioxane	9.381	88	4039	395.010	ug/l	#	66
51) 4-Methyl-2-Pentanone	10.157	43	110212	110.453	ug/l		89
52) Toluene	10.334	92	103510	20.844	ug/l		97
53) t-1,3-Dichloropropene	10.551	75	52898	21.105	ug/l		99
54) cis-1,3-Dichloropropene	10.016	75	62310	20.562	ug/l	#	80
55) 1,1,2-Trichloroethane	10.728	97	29915	21.238	ug/l		97
56) Ethyl methacrylate	10.598	69	27244	21.942	ug/l	#	84
57) 1,3-Dichloropropane	10.881	76	53170	21.899	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.869	63	71838	101.453	ug/l		91
59) 2-Hexanone	10.922	43	91766	110.850	ug/l		85
60) Dibromochloromethane	11.075	129	37051	21.848	ug/l		97
61) 1,2-Dibromoethane	11.181	107	28621	21.586	ug/l		100
64) Tetrachloroethene	10.810	164	34683	20.350	ug/l		93
65) Chlorobenzene	11.604	112	111599	19.275	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.681	131	40308	20.904	ug/l		95
67) Ethyl Benzene	11.687	91	197812	20.490	ug/l		94
68) m/p-Xylenes	11.792	106	150090	40.645	ug/l		92
69) o-Xylene	12.122	106	68647	20.171	ug/l		90
70) Styrene	12.134	104	105051	20.759	ug/l		93
71) Bromoform	12.298	173	21296	21.137	ug/l	#	99
73) Isopropylbenzene	12.422	105	183038	20.889	ug/l		96
74) N-amyl acetate	12.234	43	36455	21.164	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.669	83	34315	22.459	ug/l		97
76) 1,2,3-Trichloropropane	12.722	75	23806m	23.708	ug/l		
77) Bromobenzene	12.698	156	43000	20.863	ug/l		92
78) n-propylbenzene	12.763	91	221952	20.787	ug/l		95
79) 2-Chlorotoluene	12.851	91	118369	20.686	ug/l		96
80) 1,3,5-Trimethylbenzene	12.904	105	149888	20.509	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.469	75	10219	20.619	ug/l		90
82) 4-Chlorotoluene	12.945	91	127396	21.296	ug/l		98
83) tert-Butylbenzene	13.169	119	127269	20.627	ug/l		95
84) 1,2,4-Trimethylbenzene	13.216	105	150787	20.628	ug/l		97
85) sec-Butylbenzene	13.345	105	186442	20.443	ug/l		97
86) p-Isopropyltoluene	13.463	119	165091	20.218	ug/l		98
87) 1,3-Dichlorobenzene	13.457	146	85363	20.253	ug/l		97
88) 1,4-Dichlorobenzene	13.539	146	89999	20.444	ug/l		97
89) n-Butylbenzene	13.786	91	159622	20.775	ug/l		96
90) Hexachloroethane	14.057	117	30539	20.337	ug/l		98
91) 1,2-Dichlorobenzene	13.834	146	75174	20.971	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4919	21.670	ug/l		84
93) 1,2,4-Trichlorobenzene	15.098	180	48656	19.872	ug/l		97
94) Hexachlorobutadiene	15.204	225	24931	18.882	ug/l		96
95) Naphthalene	15.333	128	106524	26.184	ug/l		98
96) 1,2,3-Trichlorobenzene	15.522	180	41215	20.418	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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