

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077792.D
 Acq On : 08 Dec 2023 15:32
 Operator : JC/SY
 Sample : VD1208SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 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 15:40:18 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	143343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	251176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	226875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	114996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	94735	56.086	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.180%			
35) Dibromofluoromethane	7.810	113	94184	53.532	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.060%			
50) Toluene-d8	10.269	98	389554	55.282	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.560%			
62) 4-Bromofluorobenzene	12.575	95	109508	51.979	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	42249	23.595	ug/l	96
3) Chloromethane	2.152	50	57303	23.478	ug/l	97
4) Vinyl Chloride	2.287	62	76754	23.165	ug/l	98
5) Bromomethane	2.699	94	41199	22.159	ug/l	93
6) Chloroethane	2.840	64	53169	23.537	ug/l	98
7) Trichlorofluoromethane	3.181	101	73354	24.038	ug/l	95
8) Diethyl Ether	3.605	74	20022	23.366	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.975	101	40746	23.340	ug/l	97
10) Methyl Iodide	4.169	142	25296	21.045	ug/l	94
11) Tert butyl alcohol	5.052	59	9992	116.838	ug/l	95
12) 1,1-Dichloroethene	3.952	96	40323	23.402	ug/l	89
13) Acrolein	3.799	56	18964	106.137	ug/l	96
14) Allyl chloride	4.569	41	55004	23.211	ug/l #	87
15) Acrylonitrile	5.258	53	41789	113.902	ug/l	95
16) Acetone	4.022	43	57433	143.946	ug/l #	84
17) Carbon Disulfide	4.275	76	130723	22.425	ug/l	99
18) Methyl Acetate	4.564	43	29906	22.481	ug/l	92
19) Methyl tert-butyl Ether	5.316	73	85143	23.291	ug/l	92
20) Methylene Chloride	4.805	84	51367	23.070	ug/l #	83
21) trans-1,2-Dichloroethene	5.316	96	45701	23.417	ug/l	91
22) Diisopropyl ether	6.216	45	114661	23.154	ug/l	96
23) Vinyl Acetate	6.158	43	279124	115.420	ug/l #	91
24) 1,1-Dichloroethane	6.116	63	76557	22.828	ug/l	94
25) 2-Butanone	7.081	43	61943	125.959	ug/l #	77
26) 2,2-Dichloropropane	7.075	77	64965	23.072	ug/l	94
27) cis-1,2-Dichloroethene	7.087	96	49834	23.731	ug/l	90
28) Bromochloromethane	7.428	49	30069	22.189	ug/l #	72
29) Tetrahydrofuran	7.446	42	31410	116.778	ug/l #	84
30) Chloroform	7.599	83	77482	23.085	ug/l	95
31) Cyclohexane	7.881	56	67863	22.588	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	69127	23.363	ug/l	98
36) 1,1-Dichloropropene	8.005	75	62062	22.053	ug/l	96
37) Ethyl Acetate	7.169	43	21379	19.483	ug/l	99
38) Carbon Tetrachloride	7.993	117	62776	22.375	ug/l	94
39) Methylcyclohexane	9.275	83	75649	22.675	ug/l	94
40) Benzene	8.252	78	174216	21.811	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	10902	19.547	ug/l #	82
42) 1,2-Dichloroethane	8.322	62	45588	22.018	ug/l	96
43) Isopropyl Acetate	8.363	43	42842	21.963	ug/l	91
44) Trichloroethene	9.028	130	45979	22.089	ug/l	99
45) 1,2-Dichloropropane	9.305	63	43299	22.299	ug/l	93
46) Dibromomethane	9.393	93	21652	21.075	ug/l	96
47) Bromodichloromethane	9.581	83	57605	22.121	ug/l	96
48) Methyl methacrylate	9.381	41	25211	22.736	ug/l #	76
49) 1,4-Dioxane	9.381	88	4347	426.105	ug/l #	67
51) 4-Methyl-2-Pentanone	10.157	43	111297	111.795	ug/l	88
52) Toluene	10.334	92	108303	21.859	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	57002	22.794	ug/l	97
54) cis-1,3-Dichloropropene	10.022	75	65353	21.615	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	30559	21.745	ug/l	94
56) Ethyl methacrylate	10.599	69	26896	21.711	ug/l #	84
57) 1,3-Dichloropropane	10.875	76	52755	21.778	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	75792	107.282	ug/l	93
59) 2-Hexanone	10.922	43	96544	116.889	ug/l	85
60) Dibromochloromethane	11.075	129	36757	21.724	ug/l	97
61) 1,2-Dibromoethane	11.181	107	29029	21.944	ug/l	96
64) Tetrachloroethene	10.810	164	37593	22.544	ug/l	89
65) Chlorobenzene	11.610	112	120509	21.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	41950	22.236	ug/l	93
67) Ethyl Benzene	11.681	91	207713	21.991	ug/l	93
68) m/p-Xylenes	11.793	106	159975	44.278	ug/l	90
69) o-Xylene	12.122	106	71065	21.342	ug/l	88
70) Styrene	12.134	104	110822	22.383	ug/l	95
71) Bromoform	12.298	173	21684	21.997	ug/l #	100
73) Isopropylbenzene	12.422	105	196838	22.584	ug/l	95
74) N-amyl acetate	12.234	43	38366	22.394	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.675	83	34215	22.515	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	19652m	19.677	ug/l	
77) Bromobenzene	12.698	156	44093	21.508	ug/l	87
78) n-propylbenzene	12.763	91	238020	22.412	ug/l	97
79) 2-Chlorotoluene	12.851	91	127237	22.355	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	162380	22.338	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	10673	21.651	ug/l	94
82) 4-Chlorotoluene	12.945	91	134396	22.587	ug/l	97
83) tert-Butylbenzene	13.169	119	138989	22.648	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	164515	22.628	ug/l	94
85) sec-Butylbenzene	13.345	105	205125	22.613	ug/l	97
86) p-Isopropyltoluene	13.463	119	181168	22.307	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	90799	21.658	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	95496	21.920	ug/l	98
89) n-Butylbenzene	13.787	91	172180	22.530	ug/l	99
90) Hexachloroethane	14.051	117	33993	22.758	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	77395	21.707	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5118	22.714	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	52451	21.537	ug/l	97
94) Hexachlorobutadiene	15.204	225	28750	21.892	ug/l	97
95) Naphthalene	15.328	128	88743	21.931	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	43406	21.619	ug/l	99

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

