

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078009.D
 Acq On : 20 Dec 2023 23:31
 Operator : RP/MD
 Sample : VD1220SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

Quant Time: Dec 21 05:31:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	104343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	193281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	177038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	90032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	69716	56.701	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.400%			
35) Dibromofluoromethane	7.805	113	71558	52.855	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.700%			
50) Toluene-d8	10.269	98	273121	50.369	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.740%			
62) 4-Bromofluorobenzene	12.575	95	81895	50.516	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	24713	18.960	ug/l	95
3) Chloromethane	2.152	50	37460	21.085	ug/l	99
4) Vinyl Chloride	2.287	62	54081	22.423	ug/l	99
5) Bromomethane	2.693	94	41906	30.964	ug/l	98
6) Chloroethane	2.840	64	40208	24.452	ug/l	94
7) Trichlorofluoromethane	3.181	101	47172	21.236	ug/l	98
8) Diethyl Ether	3.599	74	14485	23.222	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.969	101	27300	21.483	ug/l	96
10) Methyl Iodide	4.158	142	27669	28.235	ug/l	91
11) Tert butyl alcohol	5.058	59	6344	100.400	ug/l #	73
12) 1,1-Dichloroethene	3.940	96	25788	20.561	ug/l	99
13) Acrolein	3.799	56	10261	78.893	ug/l	98
14) Allyl chloride	4.564	41	36362	21.079	ug/l	92
15) Acrylonitrile	5.252	53	29551	110.651	ug/l	97
16) Acetone	4.022	43	35781	117.993	ug/l #	80
17) Carbon Disulfide	4.275	76	71938	16.953	ug/l	99
18) Methyl Acetate	4.569	43	21159	21.851	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	60812	22.853	ug/l	98
20) Methylene Chloride	4.805	84	37852	23.420	ug/l #	88
21) trans-1,2-Dichloroethene	5.316	96	31595	22.240	ug/l	96
22) Diisopropyl ether	6.222	45	79803	22.138	ug/l	95
23) Vinyl Acetate	6.158	43	189002	107.365	ug/l	98
24) 1,1-Dichloroethane	6.116	63	54611	22.371	ug/l	97
25) 2-Butanone	7.087	43	42847	118.899	ug/l #	81
26) 2,2-Dichloropropane	7.081	77	42414	20.694	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	35371	23.139	ug/l	89
28) Bromochloromethane	7.428	49	22559	22.869	ug/l	82
29) Tetrahydrofuran	7.452	42	20516	104.785	ug/l	91
30) Chloroform	7.599	83	59306	24.274	ug/l	100
31) Cyclohexane	7.875	56	39755	18.178	ug/l	91
32) 1,1,1-Trichloroethane	7.799	97	46867	21.760	ug/l	97
36) 1,1-Dichloropropene	8.010	75	40118	18.525	ug/l	97
37) Ethyl Acetate	7.169	43	14913	17.661	ug/l	99
38) Carbon Tetrachloride	7.993	117	41735	19.331	ug/l	95
39) Methylcyclohexane	9.275	83	45438	17.699	ug/l #	91
40) Benzene	8.252	78	123379	20.073	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8767	20.427	ug/l #	93
42) 1,2-Dichloroethane	8.328	62	34265	21.507	ug/l	96
43) Isopropyl Acetate	8.363	43	30191	20.113	ug/l	95
44) Trichloroethene	9.034	130	33009	20.608	ug/l	98
45) 1,2-Dichloropropane	9.304	63	32388	21.676	ug/l	97
46) Dibromomethane	9.399	93	17804	22.520	ug/l	92
47) Bromodichloromethane	9.581	83	43389	21.653	ug/l #	99
48) Methyl methacrylate	9.381	41	18004	21.100	ug/l #	79
49) 1,4-Dioxane	9.387	88	3202	407.885	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	73396	95.808	ug/l	92
52) Toluene	10.334	92	78217	20.515	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	40636	21.117	ug/l	89
54) cis-1,3-Dichloropropene	10.016	75	49630	21.332	ug/l #	86
55) 1,1,2-Trichloroethane	10.740	97	24017	22.209	ug/l	92
56) Ethyl methacrylate	10.598	69	19846	20.819	ug/l #	87
57) 1,3-Dichloropropane	10.881	76	41738	22.391	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	46640	85.793	ug/l	97
59) 2-Hexanone	10.922	43	59628	93.818	ug/l	90
60) Dibromochloromethane	11.075	129	29527	22.679	ug/l	99
61) 1,2-Dibromoethane	11.181	107	21558	21.178	ug/l	95
64) Tetrachloroethene	10.810	164	24705	18.986	ug/l	88
65) Chlorobenzene	11.610	112	86635	19.631	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	30432	20.671	ug/l	98
67) Ethyl Benzene	11.687	91	148433	20.138	ug/l	95
68) m/p-Xylenes	11.793	106	111452	39.532	ug/l	89
69) o-Xylene	12.122	106	53633	20.641	ug/l	92
70) Styrene	12.134	104	81091	20.989	ug/l	94
71) Bromoform	12.304	173	16729	21.748	ug/l #	97
73) Isopropylbenzene	12.422	105	138938	20.361	ug/l	96
74) N-amyl acetate	12.234	43	27058	20.173	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.681	83	28397	23.867	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	15245m	19.497	ug/l	
77) Bromobenzene	12.698	156	33385	20.801	ug/l	87
78) n-propylbenzene	12.763	91	171916	20.676	ug/l	95
79) 2-Chlorotoluene	12.851	91	94025	21.101	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	117724	20.685	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	8341	21.612	ug/l	91
82) 4-Chlorotoluene	12.945	91	97583	20.948	ug/l	100
83) tert-Butylbenzene	13.169	119	100246	20.864	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	118248	20.774	ug/l	96
85) sec-Butylbenzene	13.345	105	148128	20.857	ug/l	95
86) p-Isopropyltoluene	13.463	119	130880	20.583	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	67441	20.547	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	68897	20.069	ug/l	96
89) n-Butylbenzene	13.787	91	121202	20.257	ug/l	98
90) Hexachloroethane	14.057	117	26769	22.891	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	58167	20.838	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3745	21.164	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	36098	18.932	ug/l	96
94) Hexachlorobutadiene	15.204	225	19611	19.073	ug/l	94
95) Naphthalene	15.334	128	65073	20.541	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	31141	19.811	ug/l	98

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

