

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077835.D
 Acq On : 12 Dec 2023 11:30
 Operator : JC/SY
 Sample : VD1212SBS03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/13/2023
 Supervised By :Semsettin Yesilyurt 12/13/2023

Quant Time: Dec 12 13:52:18 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	7.881	168	154169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	256913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	231390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	118411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75961	41.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.620%		
35) Dibromofluoromethane	7.810	113	76570	42.549	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.100%		
50) Toluene-d8	10.269	98	313245	43.460	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.920%		
62) 4-Bromofluorobenzene	12.575	95	89963	41.748	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	39968	20.754	ug/l	99
3) Chloromethane	2.152	50	56210	21.413	ug/l	100
4) Vinyl Chloride	2.293	62	75722	21.249	ug/l	97
5) Bromomethane	2.693	94	45914	22.961	ug/l	100
6) Chloroethane	2.840	64	50701	20.868	ug/l	98
7) Trichlorofluoromethane	3.181	101	67489	20.563	ug/l	100
8) Diethyl Ether	3.599	74	18790	20.388	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.969	101	39548	21.063	ug/l	94
10) Methyl Iodide	4.169	142	34535	24.898	ug/l	90
11) Tert butyl alcohol	5.063	59	10028m	108.236	ug/l	
12) 1,1-Dichloroethene	3.952	96	37955	20.481	ug/l #	83
13) Acrolein	3.799	56	18303	95.244	ug/l	100
14) Allyl chloride	4.569	41	51034	20.023	ug/l #	88
15) Acrylonitrile	5.263	53	40832	103.478	ug/l	98
16) Acetone	4.028	43	57790	132.343	ug/l	90
17) Carbon Disulfide	4.275	76	122388	19.521	ug/l	100
18) Methyl Acetate	4.563	43	28034	19.594	ug/l	92
19) Methyl tert-butyl Ether	5.322	73	80122	20.378	ug/l	97
20) Methylene Chloride	4.805	84	45532	18.070	ug/l #	79
21) trans-1,2-Dichloroethene	5.316	96	42698	20.342	ug/l	98
22) Diisopropyl ether	6.222	45	107774	20.235	ug/l #	92
23) Vinyl Acetate	6.163	43	259303	99.694	ug/l #	92
24) 1,1-Dichloroethane	6.122	63	73992	20.514	ug/l	98
25) 2-Butanone	7.087	43	59268	110.293	ug/l #	77
26) 2,2-Dichloropropane	7.087	77	60906	20.112	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	48276	21.374	ug/l	89
28) Bromochloromethane	7.428	49	26408	18.119	ug/l #	74
29) Tetrahydrofuran	7.452	42	28258	97.682	ug/l	88
30) Chloroform	7.604	83	72809	20.170	ug/l	94
31) Cyclohexane	7.881	56	63808	19.747	ug/l	88
32) 1,1,1-Trichloroethane	7.804	97	63867	20.069	ug/l	99
36) 1,1-Dichloropropene	8.016	75	57087	19.832	ug/l	94
37) Ethyl Acetate	7.169	43	20013	17.830	ug/l	97
38) Carbon Tetrachloride	7.993	117	57772	20.132	ug/l	90
39) Methylcyclohexane	9.275	83	69473	20.358	ug/l	91
40) Benzene	8.251	78	166910	20.430	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	12405	21.745	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	44708	21.111	ug/l	94
43) Isopropyl Acetate	8.369	43	40783	20.440	ug/l	93
44) Trichloroethene	9.028	130	43941	20.639	ug/l	94
45) 1,2-Dichloropropane	9.310	63	41710	21.001	ug/l	99
46) Dibromomethane	9.398	93	21746	20.694	ug/l	94
47) Bromodichloromethane	9.587	83	54814	20.579	ug/l	99
48) Methyl methacrylate	9.381	41	23840	21.020	ug/l #	77
49) 1,4-Dioxane	9.387	88	3884	372.219	ug/l #	65
51) 4-Methyl-2-Pentanone	10.163	43	106730	104.814	ug/l	89
52) Toluene	10.334	92	105565	20.830	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	51490	20.130	ug/l	97
54) cis-1,3-Dichloropropene	10.022	75	64051	20.712	ug/l #	85
55) 1,1,2-Trichloroethane	10.734	97	28562	19.870	ug/l	95
56) Ethyl methacrylate	10.598	69	25655	20.247	ug/l #	82
57) 1,3-Dichloropropane	10.881	76	50195	20.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	60360	83.531	ug/l	95
59) 2-Hexanone	10.922	43	92902	109.967	ug/l	86
60) Dibromochloromethane	11.075	129	35646	20.597	ug/l	93
61) 1,2-Dibromoethane	11.181	107	27502	20.325	ug/l	96
64) Tetrachloroethene	10.810	164	36447	21.431	ug/l	93
65) Chlorobenzene	11.610	112	111179	19.240	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	38785	20.157	ug/l	97
67) Ethyl Benzene	11.687	91	195988	20.345	ug/l	99
68) m/p-Xylenes	11.792	106	149910	40.683	ug/l	90
69) o-Xylene	12.122	106	68706	20.231	ug/l	91
70) Styrene	12.139	104	102689	20.336	ug/l	92
71) Bromoform	12.304	173	20522	20.412	ug/l #	98
73) Isopropylbenzene	12.422	105	186005	20.726	ug/l	98
74) N-amyl acetate	12.234	43	34428	19.516	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	33723	21.551	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	20292m	19.732	ug/l	
77) Bromobenzene	12.704	156	42885	20.316	ug/l	91
78) n-propylbenzene	12.763	91	227612	20.814	ug/l	96
79) 2-Chlorotoluene	12.851	91	122243	20.859	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	154569	20.650	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	10243	20.180	ug/l	92
82) 4-Chlorotoluene	12.951	91	131835	21.518	ug/l	95
83) tert-Butylbenzene	13.169	119	134289	21.251	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	155445	20.763	ug/l	98
85) sec-Butylbenzene	13.345	105	197056	21.097	ug/l	97
86) p-Isopropyltoluene	13.463	119	172325	20.606	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	89365	20.702	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	86855	19.168	ug/l	94
89) n-Butylbenzene	13.792	91	168195	21.374	ug/l	97
90) Hexachloroethane	14.057	117	32904	21.394	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	75724	20.626	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5365	23.141	ug/l	84
93) 1,2,4-Trichlorobenzene	15.098	180	49537	19.754	ug/l	98
94) Hexachlorobutadiene	15.204	225	27047	20.001	ug/l	98
95) Naphthalene	15.333	128	87675	21.042	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	41101	19.880	ug/l	99

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

