

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077987.D
 Acq On : 20 Dec 2023 11:07
 Operator : RP/MD
 Sample : VD1220SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1220SBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 05:21:39 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	121263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	215371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	193796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	100786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73373	51.349	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.700%			
35) Dibromofluoromethane	7.810	113	78378	51.954	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.900%			
50) Toluene-d8	10.269	98	300271	49.696	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.400%			
62) 4-Bromofluorobenzene	12.575	95	90124	49.890	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	27076	17.875	ug/l	96
3) Chloromethane	2.152	50	38110	18.458	ug/l	95
4) Vinyl Chloride	2.287	62	54339	19.386	ug/l	98
5) Bromomethane	2.693	94	38503	24.480	ug/l	100
6) Chloroethane	2.840	64	40522	21.205	ug/l	97
7) Trichlorofluoromethane	3.181	101	46827	18.139	ug/l	99
8) Diethyl Ether	3.599	74	13345	18.409	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.970	101	28167	19.072	ug/l	98
10) Methyl Iodide	4.170	142	25463	23.761	ug/l #	90
11) Tert butyl alcohol	5.058	59	7745	106.065	ug/l #	79
12) 1,1-Dichloroethene	3.940	96	26161	17.948	ug/l	91
13) Acrolein	3.805	56	11091	73.376	ug/l	90
14) Allyl chloride	4.575	41	32671	16.297	ug/l	88
15) Acrylonitrile	5.258	53	27922	89.963	ug/l	95
16) Acetone	4.022	43	40810	115.128	ug/l #	85
17) Carbon Disulfide	4.275	76	68579	13.907	ug/l	99
18) Methyl Acetate	4.564	43	20816	18.497	ug/l	91
19) Methyl tert-butyl Ether	5.322	73	58336	18.863	ug/l	100
20) Methylene Chloride	4.811	84	34851	17.440	ug/l #	92
21) trans-1,2-Dichloroethene	5.322	96	31055	18.810	ug/l	90
22) Diisopropyl ether	6.222	45	74005	17.665	ug/l #	91
23) Vinyl Acetate	6.164	43	180476m	88.217	ug/l	
24) 1,1-Dichloroethane	6.122	63	52706	18.578	ug/l	99
25) 2-Butanone	7.087	43	45959	108.509	ug/l	90
26) 2,2-Dichloropropane	7.087	77	43681	18.338	ug/l	96
27) cis-1,2-Dichloroethene	7.087	96	34409	19.369	ug/l	93
28) Bromochloromethane	7.428	49	21200	18.493	ug/l	81
29) Tetrahydrofuran	7.452	42	20445	89.852	ug/l	93
30) Chloroform	7.599	83	53823	18.956	ug/l	96
31) Cyclohexane	7.881	56	41095	16.169	ug/l #	95
32) 1,1,1-Trichloroethane	7.799	97	45565	18.204	ug/l	97
36) 1,1-Dichloropropene	8.010	75	40047	16.596	ug/l	96
37) Ethyl Acetate	7.169	43	15330	16.293	ug/l #	74
38) Carbon Tetrachloride	7.993	117	41967	17.445	ug/l	93
39) Methylcyclohexane	9.275	83	45900	16.045	ug/l	92
40) Benzene	8.252	78	117816	17.202	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	8359	17.479	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	32660	18.397	ug/l	95
43) Isopropyl Acetate	8.363	43	29017	17.348	ug/l #	92
44) Trichloroethene	9.034	130	31288	17.530	ug/l	99
45) 1,2-Dichloropropane	9.305	63	30978	18.606	ug/l #	88
46) Dibromomethane	9.393	93	16439	18.661	ug/l	93
47) Bromodichloromethane	9.581	83	42892	19.209	ug/l	95
48) Methyl methacrylate	9.381	41	14921	15.693	ug/l	84
49) 1,4-Dioxane	9.387	88	3929	449.159	ug/l #	89
51) 4-Methyl-2-Pentanone	10.157	43	75514	88.462	ug/l	92
52) Toluene	10.334	92	75012	17.657	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	38337	17.879	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	45435	17.526	ug/l #	87
55) 1,1,2-Trichloroethane	10.734	97	23043	19.123	ug/l	95
56) Ethyl methacrylate	10.599	69	18464	17.382	ug/l #	85
57) 1,3-Dichloropropane	10.881	76	39306	18.924	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	45304	74.788	ug/l	94
59) 2-Hexanone	10.922	43	62580	88.364	ug/l	91
60) Dibromochloromethane	11.075	129	28574	19.696	ug/l	99
61) 1,2-Dibromoethane	11.181	107	21209	18.698	ug/l	100
64) Tetrachloroethene	10.816	164	25025	17.569	ug/l	91
65) Chlorobenzene	11.610	112	81614	16.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	30459	18.901	ug/l	95
67) Ethyl Benzene	11.687	91	141334	17.517	ug/l	96
68) m/p-Xylenes	11.793	106	107097	34.702	ug/l	91
69) o-Xylene	12.122	106	48556	17.072	ug/l	90
70) Styrene	12.134	104	76798	18.159	ug/l	97
71) Bromoform	12.298	173	15495	18.402	ug/l #	95
73) Isopropylbenzene	12.422	105	136422	17.859	ug/l	95
74) N-amyl acetate	12.234	43	24949	16.616	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	26560	19.941	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	18838m	21.521	ug/l	
77) Bromobenzene	12.704	156	31987	17.803	ug/l	89
78) n-propylbenzene	12.763	91	162544	17.463	ug/l	96
79) 2-Chlorotoluene	12.851	91	87229	17.487	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	112735	17.695	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	8238	19.068	ug/l	97
82) 4-Chlorotoluene	12.951	91	92397	17.718	ug/l	98
83) tert-Butylbenzene	13.169	119	96067	17.861	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	112937	17.724	ug/l	97
85) sec-Butylbenzene	13.345	105	142744	17.954	ug/l	95
86) p-Isopropyltoluene	13.463	119	124663	17.513	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	67099	18.262	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	65514	16.798	ug/l	94
89) n-Butylbenzene	13.787	91	120536	17.996	ug/l	98
90) Hexachloroethane	14.057	117	25564	19.528	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	58911	18.852	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	3828	19.237	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	36569	17.133	ug/l	96
94) Hexachlorobutadiene	15.204	225	18882	16.405	ug/l	94
95) Naphthalene	15.334	128	65208	18.387	ug/l	97
96) 1,2,3-Trichlorobenzene	15.528	180	32216	18.308	ug/l	96

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

