

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076172.D
 Acq On : 22 May 2023 12:53
 Operator : KP/SY
 Sample : VD0522SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/23/2023
 Supervised By :Mahesh Dadoda 05/23/2023

Quant Time: May 22 14:21:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	212861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	372238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	344943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	175564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	94357	45.866	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.740%		
35) Dibromofluoromethane	7.804	113	113173	43.985	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.980%		
50) Toluene-d8	10.269	98	440168	43.885	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.760%		
62) 4-Bromofluorobenzene	12.575	95	125791	45.147	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	38466	20.037	ug/l	98
3) Chloromethane	2.146	50	73405	20.678	ug/l	96
4) Vinyl Chloride	2.281	62	92726	22.396	ug/l	99
5) Bromomethane	2.675	94	63198	22.672	ug/l	96
6) Chloroethane	2.828	64	63428	22.771	ug/l	99
7) Trichlorofluoromethane	3.169	101	71201	20.289	ug/l	100
8) Diethyl Ether	3.587	74	22374	19.387	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.969	101	47082	20.368	ug/l	94
10) Methyl Iodide	4.158	142	53520	22.268	ug/l	89
11) Tert butyl alcohol	5.057	59	9975	91.661	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	45856	19.932	ug/l	89
13) Acrolein	3.793	56	20567	77.221	ug/l	94
14) Allyl chloride	4.558	41	46357	19.854	ug/l #	78
15) Acrylonitrile	5.257	53	46016	96.301	ug/l	96
16) Acetone	4.016	43	38016	92.877	ug/l #	71
17) Carbon Disulfide	4.263	76	134252	19.878	ug/l	99
18) Methyl Acetate	4.558	43	27102	18.562	ug/l #	73
19) Methyl tert-butyl Ether	5.322	73	87165	19.358	ug/l	91
20) Methylene Chloride	4.799	84	78018	18.000	ug/l #	76
21) trans-1,2-Dichloroethene	5.310	96	50498	19.045	ug/l #	82
22) Diisopropyl ether	6.210	45	109313	20.170	ug/l #	96
23) Vinyl Acetate	6.157	43	247636	116.212	ug/l #	93
24) 1,1-Dichloroethane	6.104	63	86394	20.213	ug/l #	94
25) 2-Butanone	7.081	43	48494	94.225	ug/l #	69
26) 2,2-Dichloropropane	7.081	77	71462	20.505	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	57491	19.539	ug/l	86
28) Bromochloromethane	7.428	49	28648	20.102	ug/l #	67
29) Tetrahydrofuran	7.446	42	28283	94.285	ug/l #	69
30) Chloroform	7.593	83	93353	20.424	ug/l	100
31) Cyclohexane	7.869	56	61106	19.394	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	72436	19.886	ug/l	97
36) 1,1-Dichloropropene	8.004	75	67489	19.422	ug/l	97
37) Ethyl Acetate	7.169	43	23744	19.732	ug/l #	98
38) Carbon Tetrachloride	7.987	117	58431	18.616	ug/l	96
39) Methylcyclohexane	9.275	83	72554	18.135	ug/l	94
40) Benzene	8.251	78	206749	18.506	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	11213	16.995	ug/l #	69
42) 1,2-Dichloroethane	8.328	62	50947	19.280	ug/l	95
43) Isopropyl Acetate	8.357	43	38905	17.308	ug/l #	87
44) Trichloroethene	9.028	130	56268	17.871	ug/l	86
45) 1,2-Dichloropropane	9.304	63	49917	18.114	ug/l	94
46) Dibromomethane	9.393	93	28425	18.402	ug/l	97
47) Bromodichloromethane	9.581	83	69509	18.724	ug/l	96
48) Methyl methacrylate	9.381	41	15745	15.827	ug/l #	59
49) 1,4-Dioxane	9.387	88	5770	349.322	ug/l #	79
51) 4-Methyl-2-Pentanone	10.163	43	101530	84.928	ug/l #	83
52) Toluene	10.334	92	132088	18.930	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	61029	18.240	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	74596	18.269	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	41256	18.625	ug/l	96
56) Ethyl methacrylate	10.598	69	36832	16.543	ug/l #	71
57) 1,3-Dichloropropane	10.881	76	62949	18.114	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	92828	86.897	ug/l	93
59) 2-Hexanone	10.922	43	72421	85.899	ug/l	82
60) Dibromochloromethane	11.075	129	45714	18.354	ug/l	97
61) 1,2-Dibromoethane	11.181	107	36512	18.530	ug/l	96
64) Tetrachloroethene	10.810	164	44697	16.851	ug/l	96
65) Chlorobenzene	11.610	112	142398	18.133	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	48007	17.764	ug/l	94
67) Ethyl Benzene	11.687	91	228312	18.195	ug/l	95
68) m/p-Xylenes	11.792	106	192371	37.510	ug/l	89
69) o-Xylene	12.122	106	85577	18.287	ug/l	89
70) Styrene	12.134	104	152929	18.849	ug/l	93
71) Bromoform	12.298	173	25507	16.780	ug/l #	100
73) Isopropylbenzene	12.422	105	214880	18.502	ug/l	99
74) N-amyl acetate	12.234	43	34735	16.791	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.675	83	45533	18.242	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	23049m	15.003	ug/l	
77) Bromobenzene	12.704	156	54393	17.474	ug/l	96
78) n-propylbenzene	12.763	91	277222	19.177	ug/l	99
79) 2-Chlorotoluene	12.851	91	151486	18.934	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	184042	19.116	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	12780	17.451	ug/l #	74
82) 4-Chlorotoluene	12.945	91	160980	18.917	ug/l	95
83) tert-Butylbenzene	13.169	119	149611	18.387	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	183769	19.166	ug/l	95
85) sec-Butylbenzene	13.345	105	241586	19.052	ug/l	100
86) p-Isopropyltoluene	13.463	119	197294	19.015	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	114739	18.231	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	117552	18.863	ug/l	97
89) n-Butylbenzene	13.786	91	180750	18.486	ug/l	98
90) Hexachloroethane	14.057	117	40852	19.141	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	100009	18.107	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5746	17.729	ug/l	84
93) 1,2,4-Trichlorobenzene	15.098	180	50852	15.828	ug/l	98
94) Hexachlorobutadiene	15.204	225	26850	16.391	ug/l	95
95) Naphthalene	15.333	128	98615	16.520	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	46212	15.816	ug/l	99

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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

