

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076256.D
 Acq On : 26 May 2023 13:42
 Operator : KP/SY
 Sample : VD0526SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0526SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/29/2023
 Supervised By :Mahesh Dadoda 05/30/2023

Quant Time: May 26 23:15:54 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	183052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	313008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	289444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	150161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	83045	46.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.880%		
35) Dibromofluoromethane	7.804	113	100240	46.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.660%		
50) Toluene-d8	10.269	98	382594	45.362	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.720%		
62) 4-Bromofluorobenzene	12.575	95	110306	47.081	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	32500	19.686	ug/l	93
3) Chloromethane	2.146	50	56189	17.871	ug/l	100
4) Vinyl Chloride	2.281	62	78100	21.935	ug/l	98
5) Bromomethane	2.681	94	52526	21.912	ug/l	99
6) Chloroethane	2.828	64	51852	21.647	ug/l	97
7) Trichlorofluoromethane	3.175	101	61075	20.238	ug/l	99
8) Diethyl Ether	3.593	74	17479	17.612	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.969	101	41290	20.771	ug/l	93
10) Methyl Iodide	4.163	142	48606	23.517	ug/l	90
11) Tert butyl alcohol	5.057	59	8663	92.568	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	37797	19.105	ug/l	86
13) Acrolein	3.799	56	16412	71.655	ug/l	95
14) Allyl chloride	4.558	41	36235	18.047	ug/l #	80
15) Acrylonitrile	5.257	53	40681	99.000	ug/l	95
16) Acetone	4.022	43	37200	105.683	ug/l #	88
17) Carbon Disulfide	4.269	76	107130	18.232	ug/l	98
18) Methyl Acetate	4.558	43	23900	19.034	ug/l #	81
19) Methyl tert-butyl Ether	5.322	73	70903	18.310	ug/l	96
20) Methylene Chloride	4.805	84	73300	20.672	ug/l #	74
21) trans-1,2-Dichloroethene	5.316	96	42843	18.790	ug/l #	75
22) Diisopropyl ether	6.216	45	93281	20.015	ug/l #	92
23) Vinyl Acetate	6.157	43	209405	114.273	ug/l #	92
24) 1,1-Dichloroethane	6.104	63	74477	20.263	ug/l	98
25) 2-Butanone	7.081	43	43821	99.011	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	61589	20.550	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	48751	19.267	ug/l	85
28) Bromochloromethane	7.422	49	24286	19.816	ug/l #	64
29) Tetrahydrofuran	7.446	42	23344	90.492	ug/l #	63
30) Chloroform	7.593	83	78016	19.848	ug/l	97
31) Cyclohexane	7.875	56	51787	19.113	ug/l #	78
32) 1,1,1-Trichloroethane	7.793	97	62949	20.096	ug/l	97
36) 1,1-Dichloropropene	8.004	75	54141	18.529	ug/l	93
37) Ethyl Acetate	7.163	43	19170	18.946	ug/l #	83
38) Carbon Tetrachloride	7.987	117	48462	18.361	ug/l	95
39) Methylcyclohexane	9.275	83	58034	17.251	ug/l	94
40) Benzene	8.251	78	175236	18.653	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	10492	18.911	ug/l #	72
42) 1,2-Dichloroethane	8.322	62	41615	18.728	ug/l	93
43) Isopropyl Acetate	8.363	43	34108	18.045	ug/l #	88
44) Trichloroethene	9.028	130	47062	17.776	ug/l	94
45) 1,2-Dichloropropane	9.304	63	43493	18.770	ug/l #	89
46) Dibromomethane	9.393	93	23987	18.468	ug/l	94
47) Bromodichloromethane	9.587	83	58584	18.767	ug/l #	91
48) Methyl methacrylate	9.381	41	14296	17.089	ug/l #	63
49) 1,4-Dioxane	9.381	88	4926	354.658	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	93334	92.845	ug/l #	83
52) Toluene	10.334	92	112532	19.179	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	50755	18.040	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	64205	18.700	ug/l #	77
55) 1,1,2-Trichloroethane	10.734	97	35487	19.052	ug/l	92
56) Ethyl methacrylate	10.598	69	32020	17.103	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	54706	18.721	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	82020	91.308	ug/l	96
59) 2-Hexanone	10.922	43	66505	93.809	ug/l	78
60) Dibromochloromethane	11.075	129	39404	18.815	ug/l	97
61) 1,2-Dibromoethane	11.181	107	31605	19.075	ug/l	96
64) Tetrachloroethene	10.810	164	39217	17.620	ug/l	92
65) Chlorobenzene	11.610	112	122216	18.547	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	41571	18.332	ug/l	94
67) Ethyl Benzene	11.687	91	191460	18.184	ug/l	98
68) m/p-Xylenes	11.792	106	161529	37.536	ug/l	90
69) o-Xylene	12.122	106	70112	17.855	ug/l	94
70) Styrene	12.134	104	127358	18.707	ug/l	93
71) Bromoform	12.298	173	22002	17.249	ug/l #	97
73) Isopropylbenzene	12.422	105	180329	18.154	ug/l	97
74) N-amyl acetate	12.234	43	30827	17.423	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.675	83	39883	18.681	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	25911m	19.719	ug/l	
77) Bromobenzene	12.704	156	48108	18.069	ug/l	91
78) n-propylbenzene	12.763	91	233867	18.915	ug/l	97
79) 2-Chlorotoluene	12.851	91	125267	18.306	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	154767	18.795	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	11152	17.804	ug/l #	76
82) 4-Chlorotoluene	12.945	91	136830	18.799	ug/l	92
83) tert-Butylbenzene	13.169	119	126110	18.121	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	153424	18.708	ug/l	94
85) sec-Butylbenzene	13.345	105	203803	18.791	ug/l	99
86) p-Isopropyltoluene	13.463	119	164289	18.513	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	100653	18.698	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	97145	18.225	ug/l	96
89) n-Butylbenzene	13.792	91	151782	18.149	ug/l	97
90) Hexachloroethane	14.057	117	38028	20.832	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	86982	18.413	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5507	19.866	ug/l	79
93) 1,2,4-Trichlorobenzene	15.098	180	55423	20.169	ug/l	98
94) Hexachlorobutadiene	15.204	225	27128	19.363	ug/l	98
95) Naphthalene	15.333	128	91813	17.982	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	45305	18.129	ug/l	98

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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

