

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052323\
 Data File : VD076190.D
 Acq On : 23 May 2023 12:35
 Operator : KP/SY
 Sample : VY0523SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VY0523SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2023
 Supervised By :Mahesh Dadoda 05/24/2023

Quant Time: May 23 15:02:27 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	7.881	168	198294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	351143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	321134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	166446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	91456	47.721	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.440%		
35) Dibromofluoromethane	7.804	113	105327	43.395	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.800%		
50) Toluene-d8	10.269	98	410436	43.379	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.760%		
62) 4-Bromofluorobenzene	12.575	95	116371	44.276	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	37147	20.771	ug/l	94
3) Chloromethane	2.146	50	70688	21.540	ug/l	99
4) Vinyl Chloride	2.281	62	87783	22.760	ug/l	99
5) Bromomethane	2.675	94	58226	22.423	ug/l	98
6) Chloroethane	2.822	64	62574	24.115	ug/l	94
7) Trichlorofluoromethane	3.169	101	68666	21.004	ug/l	99
8) Diethyl Ether	3.593	74	22448	20.880	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.963	101	44802	20.805	ug/l	95
10) Methyl Iodide	4.158	142	50093	22.373	ug/l	89
11) Tert butyl alcohol	5.052	59	10457	103.149	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	43847	20.459	ug/l	85
13) Acrolein	3.799	56	21447	86.440	ug/l	99
14) Allyl chloride	4.552	41	43844	20.158	ug/l #	79
15) Acrylonitrile	5.257	53	47274	106.201	ug/l	99
16) Acetone	4.022	43	39003	102.288	ug/l #	70
17) Carbon Disulfide	4.269	76	127295	20.285	ug/l	96
18) Methyl Acetate	4.558	43	29625	21.780	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	85610	20.409	ug/l	97
20) Methylene Chloride	4.799	84	72238	17.825	ug/l #	78
21) trans-1,2-Dichloroethene	5.310	96	48973	19.827	ug/l	85
22) Diisopropyl ether	6.210	45	106241	21.044	ug/l #	92
23) Vinyl Acetate	6.152	43	205118	103.330	ug/l #	91
24) 1,1-Dichloroethane	6.110	63	83695	21.020	ug/l	97
25) 2-Butanone	7.081	43	50096	104.489	ug/l #	77
26) 2,2-Dichloropropane	7.081	77	67122	20.675	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	55167	20.127	ug/l	85
28) Bromochloromethane	7.422	49	27055	20.379	ug/l #	66
29) Tetrahydrofuran	7.446	42	29841	106.786	ug/l #	69
30) Chloroform	7.599	83	89756	21.080	ug/l	96
31) Cyclohexane	7.881	56	61130	20.827	ug/l #	85
32) 1,1,1-Trichloroethane	7.799	97	69993	20.627	ug/l	98
36) 1,1-Dichloropropene	8.010	75	63292	19.308	ug/l	96
37) Ethyl Acetate	7.163	43	21834	19.235	ug/l #	81
38) Carbon Tetrachloride	7.993	117	56083	18.941	ug/l	94
39) Methylcyclohexane	9.275	83	67881	17.986	ug/l	98
40) Benzene	8.251	78	195924	18.591	ug/l	95

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8114	13.037	ug/l #	32
42) 1,2-Dichloroethane	8.322	62	48353	19.398	ug/l	91
43) Isopropyl Acetate	8.357	43	39799	18.769	ug/l #	92
44) Trichloroethene	9.028	130	52320	17.616	ug/l	84
45) 1,2-Dichloropropane	9.304	63	48063	18.489	ug/l #	89
46) Dibromomethane	9.393	93	28655	19.666	ug/l	99
47) Bromodichloromethane	9.587	83	67674	19.325	ug/l	93
48) Methyl methacrylate	9.381	41	18661	19.885	ug/l #	67
49) 1,4-Dioxane	9.381	88	6625	425.180	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	109353	96.966	ug/l #	83
52) Toluene	10.334	92	128149	19.469	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	59876	18.971	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	73461	19.072	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	40476	19.371	ug/l	93
56) Ethyl methacrylate	10.598	69	37944	18.066	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	64851	19.782	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	92680	91.970	ug/l	93
59) 2-Hexanone	10.922	43	75039	94.351	ug/l	78
60) Dibromochloromethane	11.075	129	43643	18.576	ug/l	93
61) 1,2-Dibromoethane	11.175	107	35078	18.872	ug/l	94
64) Tetrachloroethene	10.810	164	41957	16.991	ug/l	94
65) Chlorobenzene	11.610	112	134000	18.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	47012	18.686	ug/l	96
67) Ethyl Benzene	11.687	91	215121	18.415	ug/l	94
68) m/p-Xylenes	11.792	106	180606	37.827	ug/l	92
69) o-Xylene	12.122	106	77720	17.840	ug/l	98
70) Styrene	12.139	104	142610	18.881	ug/l	94
71) Bromoform	12.298	173	25652	18.126	ug/l #	99
73) Isopropylbenzene	12.422	105	200426	18.203	ug/l	97
74) N-amyl acetate	12.234	43	36645	18.685	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	46346	19.585	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	29588m	20.314	ug/l	
77) Bromobenzene	12.704	156	52884	17.920	ug/l	96
78) n-propylbenzene	12.763	91	263616	19.235	ug/l	99
79) 2-Chlorotoluene	12.851	91	144412	19.039	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	173052	18.959	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	12881	18.552	ug/l #	75
82) 4-Chlorotoluene	12.945	91	152304	18.877	ug/l	94
83) tert-Butylbenzene	13.169	119	141757	18.377	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	171867	18.907	ug/l	95
85) sec-Butylbenzene	13.345	105	230454	19.169	ug/l	100
86) p-Isopropyltoluene	13.463	119	186241	18.933	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	111078	18.616	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	111312	18.840	ug/l	98
89) n-Butylbenzene	13.786	91	171092	18.456	ug/l	99
90) Hexachloroethane	14.051	117	38628	19.091	ug/l	96
91) 1,2-Dichlorobenzene	13.833	146	96626	18.453	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5340	17.379	ug/l	73
93) 1,2,4-Trichlorobenzene	15.098	180	50530	16.590	ug/l	96
94) Hexachlorobutadiene	15.204	225	25436	16.379	ug/l	96
95) Naphthalene	15.328	128	95583	16.889	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	45295	16.351	ug/l	99

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

