

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076828.D
 Acq On : 27 Jul 2023 12:22
 Operator : KP/SY
 Sample : VD0727SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0727SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/28/2023

Quant Time: Jul 27 14:48:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

07/28/2023
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	194258	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	345343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	316266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	145969	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95454	49.334	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.660%
35) Dibromofluoromethane	7.804	113	112088	51.650	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.300%
50) Toluene-d8	10.269	98	377607	48.639	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.280%
62) 4-Bromofluorobenzene	12.575	95	125655	50.032	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	33609	22.125	ug/l	92
3) Chloromethane	2.146	50	46648	17.802	ug/l	99
4) Vinyl Chloride	2.275	62	69607	19.927	ug/l	98
5) Bromomethane	2.669	94	56682	19.722	ug/l	98
6) Chloroethane	2.822	64	52166	19.780	ug/l	90
7) Trichlorofluoromethane	3.164	101	70838	22.791	ug/l	91
8) Diethyl Ether	3.593	74	22529	21.052	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	46241	22.632	ug/l	98
10) Methyl Iodide	4.158	142	46457	20.171	ug/l	93
11) Tert butyl alcohol	5.052	59	14821	102.651	ug/l	# 89
12) 1,1-Dichloroethene	3.934	96	39959	20.817	ug/l	85
13) Acrolein	3.793	56	12943	131.546	ug/l	91
14) Allyl chloride	4.552	41	50679	20.098	ug/l	91
15) Acrylonitrile	5.258	53	51726	98.412	ug/l	97
16) Acetone	4.022	43	45924	99.384	ug/l	90
17) Carbon Disulfide	4.263	76	75688	16.882	ug/l	97
18) Methyl Acetate	4.563	43	37489	21.594	ug/l	91
19) Methyl tert-butyl Ether	5.322	73	109211	21.216	ug/l	98
20) Methylene Chloride	4.787	84	85087	25.974	ug/l	92
21) trans-1,2-Dichloroethene	5.299	96	44976	20.157	ug/l	95
22) Diisopropyl ether	6.210	45	127884	21.417	ug/l	# 90
23) Vinyl Acetate	6.152	43	248325	84.050	ug/l	94
24) 1,1-Dichloroethane	6.105	63	88748	22.044	ug/l	96
25) 2-Butanone	7.087	43	68177	110.241	ug/l	92
26) 2,2-Dichloropropane	7.069	77	80405	23.168	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	59191	21.519	ug/l	92
28) Bromochloromethane	7.428	49	23038	22.888	ug/l	85
29) Tetrahydrofuran	7.440	42	36766	100.620	ug/l	95
30) Chloroform	7.593	83	98320	22.297	ug/l	91
31) Cyclohexane	7.875	56	58671	20.604	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	78295	22.007	ug/l	98
36) 1,1-Dichloropropene	8.004	75	63578	22.420	ug/l	97
37) Ethyl Acetate	7.169	43	28506	22.478	ug/l	96
38) Carbon Tetrachloride	7.993	117	62758	23.112	ug/l	98
39) Methylcyclohexane	9.269	83	68481	20.914	ug/l	97
40) Benzene	8.246	78	193447	21.620	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.399	41	15088	19.482	ug/l	#	90
42) 1,2-Dichloroethane	8.328	62	52983	22.790	ug/l		98
43) Isopropyl Acetate	8.357	43	53838	21.752	ug/l		92
44) Trichloroethene	9.028	130	52127	21.379	ug/l		90
45) 1,2-Dichloropropane	9.298	63	51716	22.391	ug/l		100
46) Dibromomethane	9.393	93	28826	21.322	ug/l		94
47) Bromodichloromethane	9.587	83	75516	22.258	ug/l		95
48) Methyl methacrylate	9.387	41	24206	21.488	ug/l		82
49) 1,4-Dioxane	9.381	88	6700	386.801	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.157	43	143981	109.260	ug/l		94
52) Toluene	10.334	92	126640	21.550	ug/l		98
53) t-1,3-Dichloropropene	10.551	75	67596	21.465	ug/l		94
54) cis-1,3-Dichloropropene	10.016	75	81779	22.035	ug/l	#	92
55) 1,1,2-Trichloroethane	10.734	97	44170	22.373	ug/l		92
56) Ethyl methacrylate	10.598	69	48491	21.281	ug/l		89
57) 1,3-Dichloropropane	10.881	76	70390	21.894	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.869	63	99113	112.372	ug/l		97
59) 2-Hexanone	10.922	43	103700	110.285	ug/l		92
60) Dibromochloromethane	11.075	129	52976	23.099	ug/l		97
61) 1,2-Dibromoethane	11.181	107	40640	22.204	ug/l		99
64) Tetrachloroethene	10.810	164	40460	22.435	ug/l	#	87
65) Chlorobenzene	11.604	112	138854	21.830	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.681	131	53195	22.463	ug/l		97
67) Ethyl Benzene	11.681	91	250251	22.402	ug/l		96
68) m/p-Xylenes	11.792	106	190502	44.404	ug/l		94
69) o-Xylene	12.122	106	90838	21.895	ug/l		92
70) Styrene	12.134	104	156702	21.577	ug/l		96
71) Bromoform	12.298	173	29093	22.431	ug/l	#	99
73) Isopropylbenzene	12.422	105	241638	22.817	ug/l		98
74) N-amyl acetate	12.234	43	50581	22.671	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.675	83	49933	21.960	ug/l		100
76) 1,2,3-Trichloropropane	12.722	75	37959m	27.345	ug/l		
77) Bromobenzene	12.698	156	55344	22.640	ug/l		89
78) n-propylbenzene	12.763	91	297989	23.210	ug/l		96
79) 2-Chlorotoluene	12.845	91	164172	23.321	ug/l		96
80) 1,3,5-Trimethylbenzene	12.904	105	199763	23.328	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.469	75	14733	22.588	ug/l		96
82) 4-Chlorotoluene	12.945	91	166600	22.654	ug/l		94
83) tert-Butylbenzene	13.163	119	180910	23.994	ug/l		98
84) 1,2,4-Trimethylbenzene	13.210	105	197012	22.514	ug/l		94
85) sec-Butylbenzene	13.345	105	274508	23.830	ug/l		95
86) p-Isopropyltoluene	13.463	119	219617	23.084	ug/l		97
87) 1,3-Dichlorobenzene	13.457	146	116385	23.148	ug/l		97
88) 1,4-Dichlorobenzene	13.539	146	115305	23.407	ug/l		97
89) n-Butylbenzene	13.786	91	217285	23.340	ug/l		98
90) Hexachloroethane	14.051	117	43525	24.746	ug/l		87
91) 1,2-Dichlorobenzene	13.828	146	99154	22.380	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7123	21.970	ug/l		93
93) 1,2,4-Trichlorobenzene	15.098	180	61256	22.647	ug/l		98
94) Hexachlorobutadiene	15.204	225	29166	22.421	ug/l		93
95) Naphthalene	15.328	128	153756	26.254	ug/l		99
96) 1,2,3-Trichlorobenzene	15.522	180	54125	22.299	ug/l		97

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

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