

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076866.D
 Acq On : 28 Jul 2023 20:42
 Operator : KP/SY
 Sample : VSTDCCC0050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 28 23:08:33 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

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 07/31/2023
 Supervised By :Mahesh
 Dadoda
 07/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	140896	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	260697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	250078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	123098	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71214	50.745	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.500%	
35) Dibromofluoromethane	7.805	113	82425	50.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.620%	
50) Toluene-d8	10.269	98	276619	47.200	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.400%	
62) 4-Bromofluorobenzene	12.575	95	96401	50.847	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.700%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	48991	44.465	ug/l	98
3) Chloromethane	2.146	50	97691	51.399	ug/l	97
4) Vinyl Chloride	2.275	62	125255	49.438	ug/l	97
5) Bromomethane	2.675	94	88616	42.511	ug/l	98
6) Chloroethane	2.822	64	96456	50.424	ug/l	94
7) Trichlorofluoromethane	3.158	101	106270	47.139	ug/l	98
8) Diethyl Ether	3.587	74	38511	49.616	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.958	101	71741	48.412	ug/l	96
10) Methyl Iodide	4.152	142	77625	46.468	ug/l	92
11) Tert butyl alcohol	5.064	59	26756	255.498	ug/l	100
12) 1,1-Dichloroethene	3.928	96	64589	46.391	ug/l	87
13) Acrolein	3.793	56	17031	238.651	ug/l	100
14) Allyl chloride	4.552	41	86008	47.026	ug/l	90
15) Acrylonitrile	5.252	53	101043	265.050	ug/l	100
16) Acetone	4.022	43	75316	224.720	ug/l #	85
17) Carbon Disulfide	4.258	76	138334	42.541	ug/l	99
18) Methyl Acetate	4.564	43	83672	66.448	ug/l	94
19) Methyl tert-butyl Ether	5.311	73	191921	51.403	ug/l	97
20) Methylene Chloride	4.787	84	108390	55.430	ug/l #	84
21) trans-1,2-Dichloroethene	5.299	96	75227	46.483	ug/l	93
22) Diisopropyl ether	6.216	45	225306	52.022	ug/l #	96
23) Vinyl Acetate	6.152	43	476792m	222.499	ug/l	
24) 1,1-Dichloroethane	6.105	63	151818	51.991	ug/l	96
25) 2-Butanone	7.081	43	118732	264.700	ug/l	90
26) 2,2-Dichloropropane	7.069	77	104788	41.629	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	101113	50.682	ug/l	96
28) Bromochloromethane	7.428	49	35797	49.033	ug/l #	78
29) Tetrahydrofuran	7.446	42	72981	275.377	ug/l	91
30) Chloroform	7.587	83	169408	52.968	ug/l	94
31) Cyclohexane	7.869	56	90048	43.600	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	134439	52.099	ug/l	98
36) 1,1-Dichloropropene	8.005	75	103924	48.546	ug/l	97
37) Ethyl Acetate	7.169	43	50660	52.917	ug/l	97
38) Carbon Tetrachloride	7.987	117	102899	50.200	ug/l	99
39) Methylcyclohexane	9.269	83	110353	44.644	ug/l	92
40) Benzene	8.246	78	327907	48.546	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.393	41	30164	51.596	ug/l	#	89
42) 1,2-Dichloroethane	8.322	62	93378	53.206	ug/l		97
43) Isopropyl Acetate	8.357	43	100016	53.531	ug/l	#	81
44) Trichloroethene	9.028	130	88066	47.846	ug/l		90
45) 1,2-Dichloropropane	9.305	63	90345	51.816	ug/l		98
46) Dibromomethane	9.393	93	54533	53.433	ug/l		90
47) Bromodichloromethane	9.581	83	133179	52.000	ug/l		97
48) Methyl methacrylate	9.375	41	42798	50.329	ug/l	#	85
49) 1,4-Dioxane	9.387	88	14953	1143.553	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.157	43	279726	281.193	ug/l		92
52) Toluene	10.334	92	219087	49.386	ug/l		96
53) t-1,3-Dichloropropene	10.551	75	115878	48.746	ug/l		98
54) cis-1,3-Dichloropropene	10.016	75	135622	48.408	ug/l	#	91
55) 1,1,2-Trichloroethane	10.728	97	80263	53.856	ug/l		93
56) Ethyl methacrylate	10.599	69	90749	52.757	ug/l	#	93
57) 1,3-Dichloropropane	10.875	76	127849	52.677	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.869	63	160996	241.800	ug/l		98
59) 2-Hexanone	10.922	43	189396	266.823	ug/l		93
60) Dibromochloromethane	11.069	129	92114	53.205	ug/l		95
61) 1,2-Dibromoethane	11.181	107	73343	53.082	ug/l		98
64) Tetrachloroethene	10.810	164	84253	59.084	ug/l		97
65) Chlorobenzene	11.604	112	241476	48.011	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.681	131	94414	50.420	ug/l		96
67) Ethyl Benzene	11.681	91	421308	47.697	ug/l		95
68) m/p-Xylenes	11.793	106	328325	96.783	ug/l		92
69) o-Xylene	12.122	106	159169	48.520	ug/l		93
70) Styrene	12.134	104	281131	48.955	ug/l		96
71) Bromoform	12.298	173	55959	54.564	ug/l	#	95
73) Isopropylbenzene	12.422	105	412865	46.228	ug/l		96
74) N-amyl acetate	12.234	43	93028	49.444	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.669	83	97463	50.827	ug/l		99
76) 1,2,3-Trichloropropane	12.722	75	58936m	50.345	ug/l		
77) Bromobenzene	12.698	156	100064	48.540	ug/l		88
78) n-propylbenzene	12.763	91	518406	47.880	ug/l		95
79) 2-Chlorotoluene	12.851	91	285704	48.125	ug/l		93
80) 1,3,5-Trimethylbenzene	12.904	105	342323	47.403	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.469	75	24046	43.716	ug/l		94
82) 4-Chlorotoluene	12.945	91	299474	48.287	ug/l		94
83) tert-Butylbenzene	13.163	119	304543	47.895	ug/l		97
84) 1,2,4-Trimethylbenzene	13.210	105	344609	46.697	ug/l		97
85) sec-Butylbenzene	13.345	105	463267	47.687	ug/l		95
86) p-Isopropyltoluene	13.457	119	380184	47.387	ug/l		97
87) 1,3-Dichlorobenzene	13.457	146	201655	47.559	ug/l		97
88) 1,4-Dichlorobenzene	13.534	146	200296	48.215	ug/l		97
89) n-Butylbenzene	13.787	91	372057	47.391	ug/l		97
90) Hexachloroethane	14.051	117	75159	50.671	ug/l		87
91) 1,2-Dichlorobenzene	13.828	146	181497	48.577	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13635	49.870	ug/l		97
93) 1,2,4-Trichlorobenzene	15.098	180	109830	48.150	ug/l		97
94) Hexachlorobutadiene	15.198	225	51696	47.124	ug/l		96
95) Naphthalene	15.328	128	255527	51.737	ug/l		99
96) 1,2,3-Trichlorobenzene	15.522	180	100612	49.152	ug/l		98

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

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