

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083024\
 Data File : VD079765.D
 Acq On : 30 Aug 2024 19:58
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben
 Patel

Quant Time: Aug 31 04:52:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 15:57:30 2024
 Response via : Initial Calibration

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

Internal Standards						09/03/2024
1) Pentafluorobenzene	7.875	168	125700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	246676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	232228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	118236	50.000	ug/l	0.00
System Monitoring Compounds						09/03/2024
33) 1,2-Dichloroethane-d4	8.228	65	86590	50.522	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.040%
35) Dibromofluoromethane	7.805	113	80239	50.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.080%
50) Toluene-d8	10.269	98	351344	51.093	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.180%
62) 4-Bromofluorobenzene	12.569	95	97153	50.493	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	100.980%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	65035	43.088	ug/l	97
3) Chloromethane	2.146	50	155859	49.569	ug/l	97
4) Vinyl Chloride	2.281	62	183881	48.543	ug/l	100
5) Bromomethane	2.687	94	127033	48.444	ug/l	98
6) Chloroethane	2.834	64	131015	51.016	ug/l	98
7) Trichlorofluoromethane	3.175	101	130713	45.713	ug/l	99
8) Diethyl Ether	3.593	74	46408	51.155	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.964	101	76090	47.525	ug/l	91
10) Methyl Iodide	4.158	142	96578	52.352	ug/l	92
11) Tert butyl alcohol	5.058	59	23898	282.740	ug/l #	95
12) 1,1-Dichloroethene	3.940	96	83127	49.452	ug/l	92
13) Acrolein	3.799	56	40628	246.556	ug/l	98
14) Allyl chloride	4.558	41	127055	51.305	ug/l	87
15) Acrylonitrile	5.246	53	111386	272.283	ug/l	98
16) Acetone	4.016	43	91443	257.103	ug/l	94
17) Carbon Disulfide	4.269	76	303506	49.377	ug/l	100
18) Methyl Acetate	4.564	43	47733	46.820	ug/l #	81
19) Methyl tert-butyl Ether	5.316	73	205649	55.902	ug/l	98
20) Methylene Chloride	4.799	84	113659	53.231	ug/l	88
21) trans-1,2-Dichloroethene	5.305	96	97689	52.362	ug/l #	85
22) Diisopropyl ether	6.216	45	298861	57.342	ug/l #	92
23) Vinyl Acetate	6.152	43	872699	287.410	ug/l #	91
24) 1,1-Dichloroethane	6.110	63	178403	52.346	ug/l	95
25) 2-Butanone	7.075	43	132511	279.270	ug/l	91
26) 2,2-Dichloropropane	7.075	77	129784	48.945	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	114646	53.579	ug/l	87
28) Bromochloromethane	7.428	49	80752	53.308	ug/l #	62
29) Tetrahydrofuran	7.446	42	84308	287.264	ug/l #	81
30) Chloroform	7.599	83	178918	52.882	ug/l	97
31) Cyclohexane	7.875	56	134315	46.877	ug/l	85
32) 1,1,1-Trichloroethane	7.793	97	142627	50.611	ug/l	99
36) 1,1-Dichloropropene	8.010	75	123905	52.137	ug/l	94
37) Ethyl Acetate	7.163	43	57361	54.619	ug/l #	96
38) Carbon Tetrachloride	7.987	117	125037	49.333	ug/l	96
39) Methylcyclohexane	9.275	83	144649	49.981	ug/l	89
40) Benzene	8.246	78	421788	53.218	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.399	41	31516	52.442	ug/l	#	84
42) 1,2-Dichloroethane	8.328	62	103425	53.208	ug/l		93
43) Isopropyl Acetate	8.363	43	111029	56.669	ug/l	#	92
44) Trichloroethene	9.028	130	86579	51.186	ug/l		90
45) 1,2-Dichloropropane	9.304	63	104722	54.734	ug/l		99
46) Dibromomethane	9.393	93	53153	52.518	ug/l	#	86
47) Bromodichloromethane	9.581	83	134575	53.243	ug/l		99
48) Methyl methacrylate	9.381	41	52200	55.199	ug/l	#	82
49) 1,4-Dioxane	9.387	88	11818	1162.244	ug/l		89
51) 4-Methyl-2-Pentanone	10.157	43	296782	289.992	ug/l		92
52) Toluene	10.334	92	263572	54.986	ug/l		99
53) t-1,3-Dichloropropene	10.551	75	131167	55.048	ug/l		98
54) cis-1,3-Dichloropropene	10.016	75	156719	55.216	ug/l	#	93
55) 1,1,2-Trichloroethane	10.734	97	69666	52.616	ug/l		94
56) Ethyl methacrylate	10.598	69	95308	57.448	ug/l	#	83
57) 1,3-Dichloropropane	10.875	76	127612	53.464	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.869	63	218525	291.968	ug/l	#	88
59) 2-Hexanone	10.916	43	205494	259.111	ug/l		94
60) Dibromochloromethane	11.075	129	87302	53.605	ug/l		100
61) 1,2-Dibromoethane	11.175	107	62343	53.727	ug/l		95
64) Tetrachloroethene	10.810	164	71860	52.679	ug/l		93
65) Chlorobenzene	11.604	112	263966	51.229	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.675	131	87403	51.638	ug/l		97
67) Ethyl Benzene	11.681	91	481312	52.989	ug/l		99
68) m/p-Xylenes	11.793	106	378736	108.618	ug/l		91
69) o-Xylene	12.116	106	177182	54.521	ug/l		90
70) Styrene	12.134	104	317446	55.963	ug/l		95
71) Bromoform	12.298	173	45177	53.223	ug/l	#	100
73) Isopropylbenzene	12.416	105	441929	52.516	ug/l		98
74) N-amyl acetate	12.228	43	114846	57.422	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.669	83	83255	51.540	ug/l		95
76) 1,2,3-Trichloropropane	12.722	75	63654m	62.989	ug/l		
77) Bromobenzene	12.698	156	94836	50.637	ug/l		80
78) n-propylbenzene	12.757	91	550308	52.921	ug/l		95
79) 2-Chlorotoluene	12.845	91	302505	52.221	ug/l		94
80) 1,3,5-Trimethylbenzene	12.898	105	373099	53.331	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.469	75	30410	50.191	ug/l		96
82) 4-Chlorotoluene	12.945	91	321870	53.346	ug/l		93
83) tert-Butylbenzene	13.163	119	306619	52.741	ug/l		93
84) 1,2,4-Trimethylbenzene	13.210	105	387090	53.637	ug/l		97
85) sec-Butylbenzene	13.345	105	470160	52.896	ug/l		96
86) p-Isopropyltoluene	13.457	119	402752	47.568	ug/l		96
87) 1,3-Dichlorobenzene	13.457	146	203882	50.709	ug/l		97
88) 1,4-Dichlorobenzene	13.534	146	203455	50.610	ug/l		97
89) n-Butylbenzene	13.787	91	369371	51.871	ug/l		98
90) Hexachloroethane	14.051	117	76231	50.720	ug/l		87
91) 1,2-Dichlorobenzene	13.828	146	176589	51.287	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.439	75	11088	47.015	ug/l		78
93) 1,2,4-Trichlorobenzene	15.098	180	95895	50.707	ug/l		96
94) Hexachlorobutadiene	15.198	225	45597	50.139	ug/l		97
95) Naphthalene	15.328	128	217635	56.710	ug/l		98
96) 1,2,3-Trichlorobenzene	15.516	180	88280	53.423	ug/l		97

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

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