

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121522\
 Data File : VD075024.D
 Acq On : 15 Dec 2022 13:14
 Operator : KP/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Quant Time: Dec 16 05:01:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121522S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 16 05:00:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	152839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	272585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	244965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	115643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	14098	11.196	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	22.400%#
35) Dibromofluoromethane	7.810	113	16314	8.873	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	17.740%#
50) Toluene-d8	10.269	98	63609	9.685	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	19.360%#
62) 4-Bromofluorobenzene	12.575	95	18676	9.696	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	19.400%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	12547	12.768	ug/l	96
3) Chloromethane	2.146	50	21751	13.498	ug/l	98
4) Vinyl Chloride	2.281	62	24998	12.636	ug/l	96
5) Bromomethane	2.693	94	21365	13.096	ug/l	97
6) Chloroethane	2.834	64	18032	12.273	ug/l	96
7) Trichlorofluoromethane	3.175	101	29431	12.058	ug/l	100
8) Diethyl Ether	3.599	74	8278	11.459	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	18556	11.568	ug/l	99
10) Methyl Iodide	4.163	142	18101	10.420	ug/l	99
11) Tert butyl alcohol	5.040	59	5004	62.362	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	17851	11.858	ug/l	94
13) Acrolein	3.799	56	8873	56.454	ug/l	100
14) Allyl chloride	4.569	41	19330	11.196	ug/l	99
15) Acrylonitrile	5.257	53	16268	53.632	ug/l	95
16) Acetone	4.028	43	15428	50.682	ug/l	91
17) Carbon Disulfide	4.275	76	47299	13.631	ug/l	97
18) Methyl Acetate	4.563	43	9863	11.664	ug/l	96
19) Methyl tert-butyl Ether	5.322	73	34676	10.779	ug/l	96
20) Methylene Chloride	4.804	84	43260	13.001	ug/l	98
21) trans-1,2-Dichloroethene	5.316	96	19608	11.725	ug/l	93
22) Diisopropyl ether	6.222	45	41680	10.714	ug/l	96
23) Vinyl Acetate	6.163	43	75881	55.704	ug/l	98
24) 1,1-Dichloroethane	6.116	63	33065	11.657	ug/l	97
25) 2-Butanone	7.081	43	20213	53.804	ug/l	95
26) 2,2-Dichloropropane	7.081	77	29469	11.397	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	21936	11.077	ug/l	97
28) Bromochloromethane	7.428	49	10261	11.667	ug/l	94
29) Tetrahydrofuran	7.451	42	10590	54.505	ug/l	98
30) Chloroform	7.598	83	30990	10.519	ug/l	97
31) Cyclohexane	7.881	56	22561	11.653	ug/l #	93
32) 1,1,1-Trichloroethane	7.798	97	25257	10.114	ug/l	98
36) 1,1-Dichloropropene	8.004	75	21375	10.325	ug/l	98
37) Ethyl Acetate	7.175	43	8275	10.074	ug/l	96
38) Carbon Tetrachloride	7.998	117	18163	9.700	ug/l	97
39) Methylcyclohexane	9.275	83	23061	10.220	ug/l	90
40) Benzene	8.251	78	64551	10.544	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	4232	9.328	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	16468	10.910	ug/l	99
43) Isopropyl Acetate	8.363	43	13257	9.617	ug/l	96
44) Trichloroethene	9.028	130	18103	10.562	ug/l	96
45) 1,2-Dichloropropane	9.304	63	15711	10.278	ug/l	98
46) Dibromomethane	9.398	93	8663	10.329	ug/l	95
47) Bromodichloromethane	9.587	83	22295	10.430	ug/l	98
48) Methyl methacrylate	9.381	41	6342	9.875	ug/l	97
49) 1,4-Dioxane	9.381	88	1509	182.954	ug/l #	79
51) 4-Methyl-2-Pentanone	10.157	43	34447	47.976	ug/l	99
52) Toluene	10.334	92	41933	10.426	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	18173	9.759	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	23405	10.126	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	12282	10.164	ug/l	92
56) Ethyl methacrylate	10.598	69	12667	9.502	ug/l	99
57) 1,3-Dichloropropane	10.881	76	20109	10.224	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	18417	42.177	ug/l	97
59) 2-Hexanone	10.922	43	24204	46.812	ug/l	99
60) Dibromochloromethane	11.075	129	14247	10.074	ug/l	98
61) 1,2-Dibromoethane	11.181	107	11196	10.192	ug/l	98
64) Tetrachloroethene	10.810	164	15301	10.595	ug/l	98
65) Chlorobenzene	11.610	112	46639	10.566	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	16200	10.238	ug/l	97
67) Ethyl Benzene	11.686	91	75915	9.876	ug/l	99
68) m/p-Xylenes	11.792	106	60859	20.247	ug/l	99
69) o-Xylene	12.122	106	27902	9.869	ug/l	98
70) Styrene	12.139	104	48071	9.833	ug/l	99
71) Bromoform	12.298	173	8071	10.002	ug/l #	98
73) Isopropylbenzene	12.422	105	72850	9.626	ug/l	98
74) N-amyl acetate	12.233	43	12361	9.581	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	13951	10.102	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	9869m	6.757	ug/l	
77) Bromobenzene	12.704	156	17935	10.406	ug/l	97
78) n-propylbenzene	12.763	91	90229	9.753	ug/l	99
79) 2-Chlorotoluene	12.851	91	51501	10.106	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	62799	9.996	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	3492	9.707	ug/l	98
82) 4-Chlorotoluene	12.951	91	55751	10.569	ug/l	97
83) tert-Butylbenzene	13.169	119	52415	9.666	ug/l	100
84) 1,2,4-Trimethylbenzene	13.216	105	60392	9.699	ug/l	97
85) sec-Butylbenzene	13.345	105	81129	9.594	ug/l	98
86) p-Isopropyltoluene	13.463	119	67656	9.687	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	38089	10.415	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	36886	10.260	ug/l	97
89) n-Butylbenzene	13.786	91	63050	9.625	ug/l	99
90) Hexachloroethane	14.057	117	12220	9.733	ug/l	97
91) 1,2-Dichlorobenzene	13.833	146	32750	10.442	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1812	9.849	ug/l	94
93) 1,2,4-Trichlorobenzene	15.104	180	18151	9.588	ug/l	99
94) Hexachlorobutadiene	15.210	225	9873	9.827	ug/l	98
95) Naphthalene	15.333	128	32793	9.296	ug/l	100
96) 1,2,3-Trichlorobenzene	15.527	180	16887	10.194	ug/l	93

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

