

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091622\
 Data File : VD074325.D
 Acq On : 16 Sep 2022 12:33
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 02:38:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 02:35:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	101018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	172258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	155755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	73723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	9464	9.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.240%#		
35) Dibromofluoromethane	7.805	113	12943	11.409	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.820%#		
50) Toluene-d8	10.269	98	32660	8.343	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	16.680%#		
62) 4-Bromofluorobenzene	12.569	95	20237	13.313	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	26.620%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	10660	11.455	ug/l	90
3) Chloromethane	2.146	50	9331	10.544	ug/l	93
4) Vinyl Chloride	2.275	62	9302	10.710	ug/l	96
5) Bromomethane	2.681	94	5564	10.362	ug/l	95
6) Chloroethane	2.834	64	5745	11.259	ug/l	99
7) Trichlorofluoromethane	3.170	101	17959	10.611	ug/l	98
8) Diethyl Ether	3.593	74	5865	10.871	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.964	101	11312	10.630	ug/l	97
10) Methyl Iodide	4.158	142	12724	9.679	ug/l	97
11) Tert butyl alcohol	5.046	59	3766	56.637	ug/l #	74
12) 1,1-Dichloroethene	3.928	96	11186	10.326	ug/l	92
13) Acrolein	3.799	56	4184	58.346	ug/l	98
14) Allyl chloride	4.552	41	15549	9.918	ug/l	97
15) Acrylonitrile	5.258	53	11687	49.147	ug/l	95
16) Acetone	4.022	43	10530	47.503	ug/l	96
17) Carbon Disulfide	4.264	76	38016	10.778	ug/l	99
18) Methyl Acetate	4.564	43	6169	9.368	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	23500	10.130	ug/l	96
20) Methylene Chloride	4.793	84	23346	12.394	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	12097	10.086	ug/l	92
22) Diisopropyl ether	6.216	45	32980	9.988	ug/l #	95
23) Vinyl Acetate	6.158	43	67927	44.978	ug/l	100
24) 1,1-Dichloroethane	6.105	63	21867	10.288	ug/l	99
25) 2-Butanone	7.081	43	17375	52.625	ug/l	96
26) 2,2-Dichloropropane	7.081	77	17377	9.904	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	13370	10.061	ug/l	98
28) Bromochloromethane	7.422	49	8449	10.295	ug/l #	95
29) Tetrahydrofuran	7.446	42	9547	50.456	ug/l	97
30) Chloroform	7.593	83	22286	10.664	ug/l	90
31) Cyclohexane	7.875	56	22028	10.675	ug/l #	92
32) 1,1,1-Trichloroethane	7.793	97	18795	10.195	ug/l	96
36) 1,1-Dichloropropene	8.005	75	17640	10.186	ug/l	98
37) Ethyl Acetate	7.169	43	7151	10.307	ug/l #	88
38) Carbon Tetrachloride	7.987	117	14987	9.765	ug/l	96
39) Methylcyclohexane	9.275	83	21391	10.212	ug/l	98
40) Benzene	8.246	78	49491	10.192	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	3623	9.844	ug/l	89
42) 1,2-Dichloroethane	8.322	62	12597	10.158	ug/l	99
43) Isopropyl Acetate	8.357	43	13169	10.288	ug/l	97
44) Trichloroethene	9.022	130	13171	10.317	ug/l	84
45) 1,2-Dichloropropane	9.304	63	12459	10.202	ug/l	97
46) Dibromomethane	9.399	93	6534	10.402	ug/l	96
47) Bromodichloromethane	9.581	83	15025	9.711	ug/l #	92
48) Methyl methacrylate	9.381	41	6255	10.098	ug/l	96
49) 1,4-Dioxane	9.387	88	1266	184.163	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	33374	49.626	ug/l	99
52) Toluene	10.328	92	29997	10.029	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	12969	9.395	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	17895	10.020	ug/l	92
55) 1,1,2-Trichloroethane	10.728	97	8651	10.455	ug/l	97
56) Ethyl methacrylate	10.599	69	10251	9.457	ug/l	96
57) 1,3-Dichloropropane	10.875	76	15296	10.228	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	10449	37.912	ug/l	98
59) 2-Hexanone	10.916	43	22675	48.204	ug/l	97
60) Dibromochloromethane	11.069	129	9755	9.845	ug/l	95
61) 1,2-Dibromoethane	11.175	107	8282	10.422	ug/l	97
64) Tetrachloroethene	10.804	164	11432	10.828	ug/l	99
65) Chlorobenzene	11.604	112	32720	10.197	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	10491	9.521	ug/l	92
67) Ethyl Benzene	11.681	91	57161	9.710	ug/l	99
68) m/p-Xylenes	11.787	106	46087	20.438	ug/l	96
69) o-Xylene	12.116	106	20268	9.835	ug/l	99
70) Styrene	12.128	104	34412	9.805	ug/l	98
71) Bromoform	12.293	173	5839	9.875	ug/l #	97
73) Isopropylbenzene	12.416	105	55633	9.812	ug/l	99
74) N-amyl acetate	12.228	43	12349	9.855	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	9998	10.148	ug/l	98
76) 1,2,3-Trichloropropane	12.710	75	6796m	9.944	ug/l	
77) Bromobenzene	12.693	156	12221	9.863	ug/l	99
78) n-propylbenzene	12.757	91	68356	9.718	ug/l	100
79) 2-Chlorotoluene	12.840	91	36780	9.915	ug/l	97
80) 1,3,5-Trimethylbenzene	12.898	105	44860	9.676	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	2515	9.241	ug/l #	100
82) 4-Chlorotoluene	12.940	91	38325	9.963	ug/l	98
83) tert-Butylbenzene	13.157	119	40278	9.797	ug/l	97
84) 1,2,4-Trimethylbenzene	13.204	105	43812	9.605	ug/l	98
85) sec-Butylbenzene	13.334	105	59944	9.825	ug/l	99
86) p-Isopropyltoluene	13.451	119	49193	9.648	ug/l	97
87) 1,3-Dichlorobenzene	13.451	146	25820	10.138	ug/l	98
88) 1,4-Dichlorobenzene	13.528	146	24255	9.744	ug/l	93
89) n-Butylbenzene	13.781	91	47753	9.562	ug/l	99
90) Hexachloroethane	14.045	117	9941	10.330	ug/l	97
91) 1,2-Dichlorobenzene	13.822	146	20969	9.765	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1659	11.328	ug/l	69
93) 1,2,4-Trichlorobenzene	15.092	180	13907	9.600	ug/l	98
94) Hexachlorobutadiene	15.187	225	7802	9.480	ug/l	93
95) Naphthalene	15.322	128	25314	9.427	ug/l	98
96) 1,2,3-Trichlorobenzene	15.510	180	12074	9.698	ug/l	96

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

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