

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062222\
 Data File : VY009281.D
 Acq On : 22 Jun 2022 18:52
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2022
 Supervised By :Semsettin Yesilyurt 06/23/2022

Quant Time: Jun 23 01:58:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 14:08:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	155364	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	227660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	206816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	73740	43.216	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.440%		
35) Dibromofluoromethane	7.716	113	76272	51.732	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.460%		
50) Toluene-d8	10.179	98	258514	45.643	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.280%		
62) 4-Bromofluorobenzene	12.477	95	99635	50.063	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	54273	47.677	ug/l	98
3) Chloromethane	2.107	50	74674	53.452	ug/l	95
4) Vinyl Chloride	2.247	62	84484	54.445	ug/l	99
5) Bromomethane	2.638	94	60950	56.328	ug/l	99
6) Chloroethane	2.784	64	60186	58.256	ug/l	100
7) Trichlorofluoromethane	3.119	101	142774	57.964	ug/l	91
8) Diethyl Ether	3.521	74	51792	57.260	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	81334	51.931	ug/l	95
10) Methyl Iodide	4.082	142	104603	54.689	ug/l	89
11) Tert butyl alcohol	4.942	59	68397	322.636	ug/l	100
12) 1,1-Dichloroethene	3.869	96	75849	50.960	ug/l	83
13) Acrolein	3.723	56	22991	262.462	ug/l	98
14) Allyl chloride	4.473	41	149624	55.963	ug/l	93
15) Acrylonitrile	5.155	53	102977	204.153	ug/l	98
16) Acetone	3.942	43	113844	270.036	ug/l	94
17) Carbon Disulfide	4.186	76	183524	44.385	ug/l	99
18) Methyl Acetate	4.473	43	71986	62.274	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	202312	45.221	ug/l	97
20) Methylene Chloride	4.710	84	114680	55.810	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	70681	40.070	ug/l	85
22) Diisopropyl ether	6.112	45	215804	38.398	ug/l #	92
23) Vinyl Acetate	6.052	43	722978	209.516	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	122681	38.561	ug/l	97
25) 2-Butanone	6.978	43	129157	189.706	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	117808	39.388	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	87239	42.186	ug/l	83
28) Bromochloromethane	7.326	49	55365	40.333	ug/l #	63
29) Tetrahydrofuran	7.344	42	83955	194.721	ug/l #	84
30) Chloroform	7.502	83	141497	43.207	ug/l	99
31) Cyclohexane	7.777	56	95813	32.348	ug/l	86
32) 1,1,1-Trichloroethane	7.698	97	128578	44.973	ug/l	95
36) 1,1-Dichloropropene	7.911	75	94662	42.188	ug/l	93
37) Ethyl Acetate	7.064	43	59487	43.843	ug/l #	95
38) Carbon Tetrachloride	7.899	117	118324	50.715	ug/l	98
39) Methylcyclohexane	9.179	83	115151	41.826	ug/l	86
40) Benzene	8.155	78	284585	42.872	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	34861m	46.341	ug/l	
42) 1,2-Dichloroethane	8.234	62	92112	48.360	ug/l	92
43) Isopropyl Acetate	8.271	43	112365	45.193	ug/l #	92
44) Trichloroethene	8.935	130	93664	50.106	ug/l	92
45) 1,2-Dichloropropane	9.210	63	71290	41.687	ug/l	91
46) Dibromomethane	9.301	93	46746	48.070	ug/l	92
47) Bromodichloromethane	9.496	83	110116	47.685	ug/l	98
48) Methyl methacrylate	9.289	41	48463	44.469	ug/l #	82
49) 1,4-Dioxane	9.295	88	13147	940.806	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	301627	233.230	ug/l	93
52) Toluene	10.240	92	190185	45.325	ug/l	93
53) t-1,3-Dichloropropene	10.465	75	114442	47.663	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	119357	43.674	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	66061	48.399	ug/l	97
56) Ethyl methacrylate	10.508	69	86705	48.020	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	108120	46.291	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	171791	221.776	ug/l #	87
59) 2-Hexanone	10.831	43	206678	236.143	ug/l	91
60) Dibromochloromethane	10.984	129	88156	52.956	ug/l	99
61) 1,2-Dibromoethane	11.087	107	65144	48.948	ug/l	99
64) Tetrachloroethene	10.715	164	104282	52.263	ug/l	99
65) Chlorobenzene	11.514	112	220880	47.408	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	87162	51.167	ug/l	99
67) Ethyl Benzene	11.587	91	363410	45.007	ug/l	95
68) m/p-Xylenes	11.703	106	301447	95.142	ug/l	87
69) o-Xylene	12.026	106	146432	48.600	ug/l	86
70) Styrene	12.044	104	244501	48.932	ug/l	94
71) Bromoform	12.209	173	59322	56.340	ug/l #	100
73) Isopropylbenzene	12.331	105	376122	43.031	ug/l	96
74) N-amyl acetate	12.142	43	100201	42.917	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	72736	43.737	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	55332m	42.361	ug/l	
77) Bromobenzene	12.605	156	102003	48.044	ug/l	84
78) n-propylbenzene	12.672	91	439310	41.714	ug/l	94
79) 2-Chlorotoluene	12.758	91	251445	42.387	ug/l	93
80) 1,3,5-Trimethylbenzene	12.813	105	321932	44.366	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.374	75	26189	42.512	ug/l	89
82) 4-Chlorotoluene	12.849	91	261480	42.261	ug/l	93
83) tert-Butylbenzene	13.075	119	289185	45.697	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	324612	45.650	ug/l	95
85) sec-Butylbenzene	13.251	105	413777	43.679	ug/l	95
86) p-Isopropyltoluene	13.367	119	356100	45.228	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	191318	46.619	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	192082	46.649	ug/l	98
89) n-Butylbenzene	13.696	91	315827	43.073	ug/l	97
90) Hexachloroethane	13.959	117	67898	45.462	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	176798	47.950	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14115	47.651	ug/l	72
93) 1,2,4-Trichlorobenzene	15.007	180	115080	51.016	ug/l	99
94) Hexachlorobutadiene	15.111	225	65167	53.694	ug/l	100
95) Naphthalene	15.233	128	242672	53.626	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	102051	52.931	ug/l	99

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

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