

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072922\
 Data File : VY009769.D
 Acq On : 29 Jul 2022 13:53
 Operator : KP/MD
 Sample : VY0729SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0729SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/01/2022
 Supervised By :Mahesh Dadoda 08/01/2022

Quant Time: Aug 01 01:12:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	172611	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	273381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	252613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	56823	49.397	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.800%		
35) Dibromofluoromethane	7.710	113	64364	43.289	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.580%		
50) Toluene-d8	10.179	98	212526	48.994	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	97.980%		
62) 4-Bromofluorobenzene	12.477	95	89891	45.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	91.180%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	32749	21.312	ug/l	98
3) Chloromethane	2.107	50	43347	23.039	ug/l	97
4) Vinyl Chloride	2.241	62	46888	22.331	ug/l	98
5) Bromomethane	2.631	94	34904	23.980	ug/l	100
6) Chloroethane	2.778	64	29805	23.729	ug/l	97
7) Trichlorofluoromethane	3.113	101	56244	20.278	ug/l	93
8) Diethyl Ether	3.515	74	17081	19.000	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.887	101	30683	19.562	ug/l	95
10) Methyl Iodide	4.076	142	37900	18.623	ug/l	89
11) Tert butyl alcohol	4.948	59	19173	112.460	ug/l	# 89
12) 1,1-Dichloroethene	3.857	96	28052	19.024	ug/l	87
13) Acrolein	3.716	56	3630	127.650	ug/l	96
14) Allyl chloride	4.466	41	43574	18.795	ug/l	# 92
15) Acrylonitrile	5.149	53	43873	101.326	ug/l	97
16) Acetone	3.936	43	35889	86.960	ug/l	92
17) Carbon Disulfide	4.180	76	88234	19.448	ug/l	98
18) Methyl Acetate	4.466	43	22413	20.346	ug/l	# 91
19) Methyl tert-butyl Ether	5.210	73	75596	18.774	ug/l	99
20) Methylene Chloride	4.704	84	60122	25.625	ug/l	84
21) trans-1,2-Dichloroethene	5.210	96	33455	19.526	ug/l	# 82
22) Diisopropyl ether	6.106	45	97469	19.741	ug/l	98
23) Vinyl Acetate	6.051	43	302782	95.903	ug/l	# 95
24) 1,1-Dichloroethane	6.003	63	56472	19.736	ug/l	99
25) 2-Butanone	6.978	43	58648	96.329	ug/l	92
26) 2,2-Dichloropropane	6.972	77	53025	19.493	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	37082	19.294	ug/l	88
28) Bromochloromethane	7.326	49	19713	19.111	ug/l	85
29) Tetrahydrofuran	7.344	42	38467	99.772	ug/l	93
30) Chloroform	7.496	83	59510	19.881	ug/l	99
31) Cyclohexane	7.777	56	50259	18.300	ug/l	86
32) 1,1,1-Trichloroethane	7.691	97	53238	19.814	ug/l	96
36) 1,1-Dichloropropene	7.911	75	43869	18.132	ug/l	95
37) Ethyl Acetate	7.063	43	27347	19.071	ug/l	# 94
38) Carbon Tetrachloride	7.893	117	48687	18.781	ug/l	99
39) Methylcyclohexane	9.179	83	54308	18.121	ug/l	92
40) Benzene	8.155	78	134129	18.711	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	13472m	18.440	ug/l	
42) 1,2-Dichloroethane	8.234	62	38277	19.152	ug/l	92
43) Isopropyl Acetate	8.264	43	47446	18.939	ug/l	94
44) Trichloroethene	8.935	130	38502	18.723	ug/l	100
45) 1,2-Dichloropropane	9.209	63	33795	19.417	ug/l	96
46) Dibromomethane	9.301	93	20755	20.044	ug/l	96
47) Bromodichloromethane	9.490	83	47456	19.949	ug/l	99
48) Methyl methacrylate	9.289	41	20694	18.785	ug/l #	86
49) 1,4-Dioxane	9.295	88	5016	385.702	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	132532	103.991	ug/l	92
52) Toluene	10.240	92	92021	20.494	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	48502	19.743	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	56113	19.887	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	29997	20.488	ug/l	98
56) Ethyl methacrylate	10.508	69	35438	19.428	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	48091	20.196	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	58673	80.666	ug/l	93
59) 2-Hexanone	10.831	43	88809	97.778	ug/l	91
60) Dibromochloromethane	10.983	129	36623	20.681	ug/l	98
61) 1,2-Dibromoethane	11.087	107	29145	20.436	ug/l	98
64) Tetrachloroethene	10.715	164	40229	20.198	ug/l	93
65) Chlorobenzene	11.514	112	97842	19.302	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	36425	19.310	ug/l	98
67) Ethyl Benzene	11.587	91	164794	18.808	ug/l	99
68) m/p-Xylenes	11.703	106	132260	38.026	ug/l	90
69) o-Xylene	12.026	106	58468	17.976	ug/l	90
70) Styrene	12.044	104	99451	18.192	ug/l	94
71) Bromoform	12.203	173	23001	19.095	ug/l #	100
73) Isopropylbenzene	12.331	105	153365	18.165	ug/l	99
74) N-amyl acetate	12.142	43	41724	19.133	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	32618	19.641	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	23101m	19.582	ug/l	
77) Bromobenzene	12.605	156	40645	19.384	ug/l	87
78) n-propylbenzene	12.666	91	189106	18.848	ug/l	97
79) 2-Chlorotoluene	12.751	91	104384	18.383	ug/l	94
80) 1,3,5-Trimethylbenzene	12.812	105	132560	18.945	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	11242	18.995	ug/l	87
82) 4-Chlorotoluene	12.849	91	110919	18.778	ug/l	95
83) tert-Butylbenzene	13.074	119	114572	18.220	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	131296	18.617	ug/l	97
85) sec-Butylbenzene	13.251	105	172144	18.646	ug/l	98
86) p-Isopropyltoluene	13.367	119	145146	18.588	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	81651	19.286	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	80572	18.898	ug/l	98
89) n-Butylbenzene	13.696	91	132175	18.476	ug/l	99
90) Hexachloroethane	13.958	117	28865	18.792	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	72592	19.199	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5276	18.907	ug/l	73
93) 1,2,4-Trichlorobenzene	15.007	180	43149	18.081	ug/l	100
94) Hexachlorobutadiene	15.111	225	27475	19.015	ug/l	100
95) Naphthalene	15.233	128	80121	17.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	38435	18.414	ug/l	99

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

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