

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072822\
 Data File : VY009741.D
 Acq On : 28 Jul 2022 11:18
 Operator : KP/MD
 Sample : VY0728SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0728SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/29/2022
 Supervised By :Mahesh Dadoda 07/29/2022

Quant Time: Jul 29 02:55:16 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	194211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	286713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	262151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	60746	46.647	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.300%		
35) Dibromofluoromethane	7.710	113	72328	46.383	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.760%		
50) Toluene-d8	10.173	98	221421	48.641	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	97.280%		
62) 4-Bromofluorobenzene	12.477	95	101115	48.903	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	97.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	33860	19.584	ug/l	100
3) Chloromethane	2.107	50	49108	23.198	ug/l	100
4) Vinyl Chloride	2.241	62	54159	22.926	ug/l	99
5) Bromomethane	2.631	94	38371	23.430	ug/l	99
6) Chloroethane	2.778	64	32720	23.153	ug/l	99
7) Trichlorofluoromethane	3.107	101	64575	20.692	ug/l	94
8) Diethyl Ether	3.522	74	19760	19.535	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.881	101	36208	20.517	ug/l	94
10) Methyl Iodide	4.076	142	44533	19.449	ug/l	89
11) Tert butyl alcohol	4.942	59	16046	83.441	ug/l	96
12) 1,1-Dichloroethene	3.857	96	33936	20.455	ug/l	81
13) Acrolein	3.717	56	3503	107.476	ug/l	96
14) Allyl chloride	4.466	41	50641	19.414	ug/l #	94
15) Acrylonitrile	5.143	53	46514	95.478	ug/l	96
16) Acetone	3.936	43	35703	76.888	ug/l	93
17) Carbon Disulfide	4.180	76	102980	20.174	ug/l	100
18) Methyl Acetate	4.460	43	24379	19.627	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	87718	19.361	ug/l	96
20) Methylene Chloride	4.698	84	61843	22.397	ug/l	87
21) trans-1,2-Dichloroethene	5.204	96	38432	19.936	ug/l	86
22) Diisopropyl ether	6.106	45	112604	20.270	ug/l	95
23) Vinyl Acetate	6.052	43	338456	95.328	ug/l #	93
24) 1,1-Dichloroethane	6.003	63	64932	20.169	ug/l	99
25) 2-Butanone	6.978	43	59969	87.544	ug/l #	90
26) 2,2-Dichloropropane	6.972	77	58060	18.970	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	42336	19.578	ug/l	87
28) Bromochloromethane	7.326	49	21875	18.849	ug/l #	82
29) Tetrahydrofuran	7.338	42	40743	93.922	ug/l	90
30) Chloroform	7.496	83	67282	19.977	ug/l	97
31) Cyclohexane	7.777	56	54677	17.694	ug/l	85
32) 1,1,1-Trichloroethane	7.691	97	62072	20.533	ug/l	95
36) 1,1-Dichloropropene	7.911	75	50543	19.920	ug/l	95
37) Ethyl Acetate	7.070	43	27803	18.488	ug/l	95
38) Carbon Tetrachloride	7.893	117	56910	20.932	ug/l	97
39) Methylcyclohexane	9.179	83	60895	19.374	ug/l	88
40) Benzene	8.155	78	149627	19.902	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14307m	18.673	ug/l	
42) 1,2-Dichloroethane	8.228	62	42152	20.110	ug/l	92
43) Isopropyl Acetate	8.265	43	45920	17.477	ug/l #	89
44) Trichloroethene	8.935	130	44637	20.697	ug/l	93
45) 1,2-Dichloropropane	9.210	63	34441	18.868	ug/l	99
46) Dibromomethane	9.295	93	21610	19.899	ug/l	94
47) Bromodichloromethane	9.490	83	51544	20.660	ug/l	98
48) Methyl methacrylate	9.289	41	20344	17.608	ug/l #	85
49) 1,4-Dioxane	9.289	88	5045	373.147	ug/l #	82
51) 4-Methyl-2-Pentanone	10.063	43	138105	103.324	ug/l	93
52) Toluene	10.240	92	97982	20.807	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	50841	19.732	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	58567	19.792	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	30711	20.000	ug/l	97
56) Ethyl methacrylate	10.508	69	37601	19.656	ug/l #	84
57) 1,3-Dichloropropane	10.789	76	50683	20.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	62442	81.503	ug/l	96
59) 2-Hexanone	10.831	43	93487	98.142	ug/l	92
60) Dibromochloromethane	10.984	129	37901	20.407	ug/l	99
61) 1,2-Dibromoethane	11.087	107	29721	19.871	ug/l	99
64) Tetrachloroethene	10.715	164	42089	20.363	ug/l	96
65) Chlorobenzene	11.514	112	106332	20.213	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	39680	20.270	ug/l	98
67) Ethyl Benzene	11.587	91	182221	20.040	ug/l	99
68) m/p-Xylenes	11.697	106	148448	41.128	ug/l	91
69) o-Xylene	12.026	106	68137	20.186	ug/l	91
70) Styrene	12.044	104	114232	20.136	ug/l	95
71) Bromoform	12.203	173	25283	20.226	ug/l #	98
73) Isopropylbenzene	12.325	105	180723	19.957	ug/l	99
74) N-amyl acetate	12.142	43	45349	19.387	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	36080	20.255	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	25292m	19.988	ug/l	
77) Bromobenzene	12.605	156	45956	20.434	ug/l	87
78) n-propylbenzene	12.666	91	221563	20.588	ug/l	98
79) 2-Chlorotoluene	12.752	91	121810	20.000	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	151697	20.212	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	12061	19.000	ug/l	88
82) 4-Chlorotoluene	12.849	91	127822	20.174	ug/l	95
83) tert-Butylbenzene	13.075	119	132850	19.697	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	150951	19.955	ug/l	98
85) sec-Butylbenzene	13.251	105	199154	20.111	ug/l	98
86) p-Isopropyltoluene	13.367	119	169415	20.227	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	91450	20.138	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	91579	20.026	ug/l	98
89) n-Butylbenzene	13.697	91	151423	19.733	ug/l	99
90) Hexachloroethane	13.959	117	32652	19.818	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	80124	19.757	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5557	18.566	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	48006	18.755	ug/l	98
94) Hexachlorobutadiene	15.111	225	30598	19.743	ug/l	99
95) Naphthalene	15.233	128	89385	18.630	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	42149	18.827	ug/l	99

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

