

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052022\
 Data File : VY008920.D
 Acq On : 20 May 2022 22:31
 Operator : KP/MD
 Sample : VY0520SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Quant Time: May 20 23:56:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	142562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	233257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	229931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	58869	40.123	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.240%		
35) Dibromofluoromethane	7.716	113	64405	44.402	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.800%		
50) Toluene-d8	10.179	98	207121	38.707	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.420%		
62) 4-Bromofluorobenzene	12.483	95	99132	45.925	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25366	19.454	ug/l	99
3) Chloromethane	2.113	50	36740	19.668	ug/l	97
4) Vinyl Chloride	2.247	62	52503	18.971	ug/l	98
5) Bromomethane	2.631	94	64815	23.892	ug/l	99
6) Chloroethane	2.784	64	39310	20.050	ug/l	99
7) Trichlorofluoromethane	3.119	101	48377	20.584	ug/l	97
8) Diethyl Ether	3.527	74	15403	20.960	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	28835	19.963	ug/l	95
10) Methyl Iodide	4.088	142	23914	16.033	ug/l	93
11) Tert butyl alcohol	4.942	59	14821	99.587	ug/l	100
12) 1,1-Dichloroethene	3.869	96	26418	19.702	ug/l #	79
13) Acrolein	3.723	56	6993	142.753	ug/l	97
14) Allyl chloride	4.472	41	39650	19.621	ug/l #	88
15) Acrylonitrile	5.161	53	40477	98.372	ug/l	99
16) Acetone	3.942	43	31044	101.646	ug/l	94
17) Carbon Disulfide	4.192	76	85094	19.425	ug/l	98
18) Methyl Acetate	4.478	43	19492	20.495	ug/l #	84
19) Methyl tert-butyl Ether	5.216	73	78944	19.615	ug/l	96
20) Methylene Chloride	4.716	84	42047	19.765	ug/l	84
21) trans-1,2-Dichloroethene	5.210	96	33377	19.393	ug/l #	82
22) Diisopropyl ether	6.118	45	92044	18.959	ug/l #	93
23) Vinyl Acetate	6.057	43	302545	94.210	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	56349	19.405	ug/l	99
25) 2-Butanone	6.984	43	52593	96.412	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	50016	18.699	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	37427	19.291	ug/l	86
28) Bromochloromethane	7.332	49	19641	19.706	ug/l	89
29) Tetrahydrofuran	7.344	42	35733	96.433	ug/l #	87
30) Chloroform	7.502	83	60046	19.157	ug/l	98
31) Cyclohexane	7.783	56	53862	18.765	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	54704	19.237	ug/l	98
36) 1,1-Dichloropropene	7.917	75	46748	18.938	ug/l	98
37) Ethyl Acetate	7.069	43	25151	19.642	ug/l	96
38) Carbon Tetrachloride	7.899	117	49012	18.980	ug/l	99
39) Methylcyclohexane	9.185	83	60958	19.132	ug/l #	88
40) Benzene	8.161	78	135693	19.063	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	12620m	19.099	ug/l	
42) 1,2-Dichloroethane	8.234	62	41098	19.663	ug/l	94
43) Isopropyl Acetate	8.270	43	46508	19.534	ug/l #	91
44) Trichloroethene	8.941	130	36560	19.398	ug/l	100
45) 1,2-Dichloropropane	9.215	63	32850	19.220	ug/l	97
46) Dibromomethane	9.307	93	21398	19.689	ug/l	94
47) Bromodichloromethane	9.496	83	48347	19.465	ug/l	96
48) Methyl methacrylate	9.295	41	20382	19.172	ug/l #	83
49) 1,4-Dioxane	9.301	88	5668	390.149	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	126188	95.767	ug/l	91
52) Toluene	10.246	92	94103	18.917	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	49436	18.743	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	54390	19.182	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	28610	18.817	ug/l	99
56) Ethyl methacrylate	10.508	69	35898	18.467	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	48385	19.508	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	81036	96.358	ug/l	96
59) 2-Hexanone	10.831	43	87859	97.387	ug/l	90
60) Dibromochloromethane	10.983	129	34428	18.679	ug/l	99
61) 1,2-Dibromoethane	11.087	107	28403	18.852	ug/l	99
64) Tetrachloroethene	10.715	164	31836	19.023	ug/l	96
65) Chlorobenzene	11.514	112	99465	18.847	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	35697	18.473	ug/l	96
67) Ethyl Benzene	11.593	91	177767	18.691	ug/l	97
68) m/p-Xylenes	11.703	106	144535	37.436	ug/l	92
69) o-Xylene	12.026	106	67973	18.959	ug/l	89
70) Styrene	12.044	104	113412	18.394	ug/l	95
71) Bromoform	12.209	173	22593	17.637	ug/l #	98
73) Isopropylbenzene	12.331	105	180059	18.897	ug/l	100
74) N-amyl acetate	12.142	43	43888	19.964	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	38214	19.469	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	27201m	19.878	ug/l	
77) Bromobenzene	12.611	156	41985	19.009	ug/l	95
78) n-propylbenzene	12.672	91	224455	20.389	ug/l	98
79) 2-Chlorotoluene	12.757	91	121708	19.167	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	149508	18.720	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	12393	18.588	ug/l	87
82) 4-Chlorotoluene	12.855	91	130621	19.232	ug/l	98
83) tert-Butylbenzene	13.074	119	135400	19.110	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	154940	19.543	ug/l	99
85) sec-Butylbenzene	13.251	105	209457	19.321	ug/l	99
86) p-Isopropyltoluene	13.367	119	175039	19.362	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	89227	18.938	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	90230	19.062	ug/l	98
89) n-Butylbenzene	13.696	91	165690	20.034	ug/l	100
90) Hexachloroethane	13.958	117	32668	19.283	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	82174	19.758	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6295	20.658	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	43841	19.207	ug/l	99
94) Hexachlorobutadiene	15.111	225	24468	19.668	ug/l	100
95) Naphthalene	15.239	128	89244	19.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	37903	19.109	ug/l	99

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

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