

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009524.D
 Acq On : 12 Jul 2022 12:01
 Operator : KP/MD
 Sample : N3595-20MSD
 Misc : 6.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220487A-5AMSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

Quant Time: Jul 13 01:13:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	151909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	237624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	205853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	42945	38.664	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.320%		
35) Dibromofluoromethane	7.710	113	51349	41.069	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.140%		
50) Toluene-d8	10.173	98	159309	45.788	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	91.580%		
62) 4-Bromofluorobenzene	12.477	95	78050	44.223	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	88.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	62362	53.533	ug/l	98
3) Chloromethane	2.107	50	69651	53.540	ug/l	96
4) Vinyl Chloride	2.247	62	90580	61.156	ug/l	99
5) Bromomethane	2.643	94	50389	47.354	ug/l	95
6) Chloroethane	2.784	64	48298	55.852	ug/l	94
7) Trichlorofluoromethane	3.119	101	117046	59.189	ug/l	89
8) Diethyl Ether	3.527	74	32057	42.372	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	68857	51.393	ug/l	96
10) Methyl Iodide	4.082	142	88044	48.995	ug/l	89
11) Tert butyl alcohol	4.942	59	19707	84.956	ug/l	100
12) 1,1-Dichloroethene	3.863	96	68029	54.743	ug/l	84
13) Acrolein	3.729	56	3390	55.035	ug/l	92
14) Allyl chloride	4.472	41	109851	51.377	ug/l #	96
15) Acrylonitrile	5.149	53	71776	172.419	ug/l	99
16) Acetone	3.936	43	78943	213.624	ug/l	90
17) Carbon Disulfide	4.186	76	368905	85.853	ug/l	100
18) Methyl Acetate	4.466	43	34816	32.088	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	161628	42.972	ug/l	99
20) Methylene Chloride	4.704	84	79823	45.163	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	77171	52.999	ug/l	87
22) Diisopropyl ether	6.112	45	249230	54.829	ug/l	91
23) Vinyl Acetate	6.051	43	629599	199.030	ug/l	95
24) 1,1-Dichloroethane	6.009	63	135414	52.826	ug/l	97
25) 2-Butanone	6.978	43	104026	174.014	ug/l	92
26) 2,2-Dichloropropane	6.972	77	129593	51.294	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	88123	51.406	ug/l	90
28) Bromochloromethane	7.325	49	48009	44.560	ug/l #	90
29) Tetrahydrofuran	7.338	42	65791	170.154	ug/l	93
30) Chloroform	7.496	83	139544	49.739	ug/l	98
31) Cyclohexane	7.777	56	125603	50.397	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	132527	53.580	ug/l	97
36) 1,1-Dichloropropene	7.911	75	111875	54.961	ug/l	97
37) Ethyl Acetate	7.069	43	46294	36.282	ug/l	98
38) Carbon Tetrachloride	7.892	117	120314	55.266	ug/l	98
39) Methylcyclohexane	9.179	83	118591	48.536	ug/l	91
40) Benzene	8.155	78	320507	53.621	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28816m	43.493	ug/l	
42) 1,2-Dichloroethane	8.234	62	83740	46.664	ug/l	93
43) Isopropyl Acetate	8.270	43	95515	40.120	ug/l	94
44) Trichloroethene	8.935	130	88428	52.369	ug/l	100
45) 1,2-Dichloropropane	9.209	63	77871	51.478	ug/l	98
46) Dibromomethane	9.301	93	38545	43.415	ug/l	97
47) Bromodichloromethane	9.490	83	103970	49.200	ug/l	97
48) Methyl methacrylate	9.289	41	41949	40.897	ug/l	92
49) 1,4-Dioxane	9.289	88	5956	455.534	ug/l	93
51) 4-Methyl-2-Pentanone	10.063	43	241956	193.255	ug/l	96
52) Toluene	10.240	92	210723	55.323	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	103253	46.366	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	120322	48.456	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	55553	43.373	ug/l	99
56) Ethyl methacrylate	10.508	69	75271	44.265	ug/l	88
57) 1,3-Dichloropropane	10.788	76	95812	45.377	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	158062	190.278	ug/l	96
59) 2-Hexanone	10.831	43	171866	198.104	ug/l	94
60) Dibromochloromethane	10.983	129	70363	45.366	ug/l	98
61) 1,2-Dibromoethane	11.087	107	52482	42.742	ug/l	98
64) Tetrachloroethene	10.715	164	79822	46.378	ug/l	97
65) Chlorobenzene	11.514	112	217657	53.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	81207	53.397	ug/l	97
67) Ethyl Benzene	11.587	91	401702	56.914	ug/l	97
68) m/p-Xylenes	11.703	106	321973	116.966	ug/l	93
69) o-Xylene	12.026	106	153683	58.246	ug/l	92
70) Styrene	12.044	104	251401	57.045	ug/l	96
71) Bromoform	12.203	173	44040	45.435	ug/l #	99
73) Isopropylbenzene	12.325	105	398424	60.708	ug/l	98
74) N-amyl acetate	12.142	43	82808	44.346	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	63798	48.550	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	44709m	44.011	ug/l	
77) Bromobenzene	12.605	156	90399	56.580	ug/l	91
78) n-propylbenzene	12.666	91	467488	58.960	ug/l	98
79) 2-Chlorotoluene	12.757	91	261521	58.914	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	319806	58.298	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.373	75	21763	43.846	ug/l #	85
82) 4-Chlorotoluene	12.855	91	268530	57.723	ug/l	95
83) tert-Butylbenzene	13.074	119	277061	56.769	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	314273	57.557	ug/l	96
85) sec-Butylbenzene	13.251	105	385990	53.701	ug/l	98
86) p-Isopropyltoluene	13.367	119	319273	53.288	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	166840	52.901	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	166663	52.213	ug/l	98
89) n-Butylbenzene	13.696	91	263691	47.131	ug/l	98
90) Hexachloroethane	13.958	117	58670	49.908	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	145864	50.480	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9165	39.792	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	61125	34.684	ug/l	98
94) Hexachlorobutadiene	15.111	225	24467	25.252	ug/l	99
95) Naphthalene	15.233	128	126264	34.652	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	46379	30.385	ug/l	97

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

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