

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002416.D
 Acq On : 17 Apr 2020 21:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 11:41:06 AM

Quant Time: Apr 18 08:01:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	136943	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	262128	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	240129	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	107004	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	67835	44.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.08%	
35) Dibromofluoromethane	7.75	113	74972	48.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.20	98	297480	45.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.14%	
62) 4-Bromofluorobenzene	12.50	95	98867	45.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	59544	43.022	ug/l	96
3) Chloromethane	2.12	50	77069	44.245	ug/l	99
4) Vinyl Chloride	2.26	62	79667	42.970	ug/l	99
5) Bromomethane	2.66	94	54323	47.447	ug/l	100
6) Chloroethane	2.81	64	49465	46.261	ug/l	98
7) Trichlorofluoromethane	3.15	101	111323	46.494	ug/l	96
8) Diethyl Ether	3.55	74	56759	55.761	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.92	101	80532	49.514	ug/l	98
10) Methyl Iodide	4.11	142	98016	51.845	ug/l	96
11) Tert butyl alcohol	4.99	59	41717	258.256	ug/l	97
12) 1,1-Dichloroethene	3.90	96	82499	49.892	ug/l	85
13) Acrolein	3.75	56	41651	212.117	ug/l	96
14) Allyl chloride	4.51	41	106289	39.806	ug/l #	92
15) Acrylonitrile	5.20	53	133739	256.928	ug/l	99
16) Acetone	3.97	43	82590	205.905	ug/l	93
17) Carbon Disulfide	4.22	76	254822	46.402	ug/l	100
18) Methyl Acetate	4.50	43	58151	46.740	ug/l #	89
19) Methyl tert-butyl Ether	5.25	73	228476	52.558	ug/l	98
20) Methylene Chloride	4.75	84	105162	53.341	ug/l	89
21) trans-1,2-Dichloroethene	5.25	96	93386	50.315	ug/l	94
22) Diisopropyl ether	6.14	45	235436	43.813	ug/l	93
23) Vinyl Acetate	6.10	43	756602	220.944	ug/l #	92
24) 1,1-Dichloroethane	6.05	63	147206	48.162	ug/l	99
25) 2-Butanone	7.02	43	138079	217.526	ug/l #	86
26) 2,2-Dichloropropane	7.02	77	104004	40.678	ug/l	95
27) cis-1,2-Dichloroethene	7.02	96	108799	53.775	ug/l	89
28) Bromochloromethane	7.36	49	57684	43.719	ug/l #	78
29) Tetrahydrofuran	7.38	42	93385	222.558	ug/l #	83
30) Chloroform	7.53	83	145986	50.669	ug/l	99
31) Cyclohexane	7.81	56	127622	39.778	ug/l	87
32) 1,1,1-Trichloroethane	7.73	97	115714	48.252	ug/l	97
36) 1,1-Dichloropropene	7.94	75	109752	42.508	ug/l	95
37) Ethyl Acetate	7.11	43	61793	41.893	ug/l #	94
38) Carbon Tetrachloride	7.92	117	98051	44.397	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	151576	43.157	ug/l	90
40) Benzene	8.19	78	375173	47.893	ug/l	100
41) Methacrylonitrile	7.36	41	39216m	45.069	ug/l	
42) 1,2-Dichloroethane	8.26	62	86769	44.715	ug/l	94
43) Isopropyl Acetate	8.30	43	109628	40.753	ug/l #	90
44) Trichloroethene	8.96	130	113065	49.093	ug/l	89
45) 1,2-Dichloropropane	9.24	63	89845	46.225	ug/l	98
46) Dibromomethane	9.33	93	50965	50.150	ug/l	96
47) Bromodichloromethane	9.52	83	113582	48.710	ug/l	98
48) Methyl methacrylate	9.31	41	48449	40.166	ug/l #	80
49) 1,4-Dioxane	9.31	88	15944	1109.116	ug/l #	89
51) 4-Methyl-2-Pentanone	10.09	43	298815	213.173	ug/l	91
52) Toluene	10.26	92	228941	48.495	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	122370	48.165	ug/l	96
54) cis-1,3-Dichloropropene	9.95	75	147367	48.247	ug/l	93
55) 1,1,2-Trichloroethane	10.66	97	79335	53.322	ug/l	97
56) Ethyl methacrylate	10.53	69	107246	50.504	ug/l	87
57) 1,3-Dichloropropane	10.81	76	131083	50.124	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	286870	260.873	ug/l	95
59) 2-Hexanone	10.85	43	207296	213.080	ug/l	88
60) Dibromochloromethane	11.00	129	84962	53.554	ug/l	99
61) 1,2-Dibromoethane	11.11	107	74833	52.832	ug/l	100
64) Tetrachloroethene	10.74	164	119085	49.051	ug/l	97
65) Chlorobenzene	11.53	112	248611	49.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	83809	50.854	ug/l	97
67) Ethyl Benzene	11.61	91	423989	46.399	ug/l	99
68) m/p-Xylenes	11.72	106	324971	94.949	ug/l	96
69) o-Xylene	12.04	106	158600	49.358	ug/l	94
70) Styrene	12.06	104	276927	49.675	ug/l	97
71) Bromoform	12.22	173	49049	54.729	ug/l #	99
73) Isopropylbenzene	12.34	105	399577	47.533	ug/l	99
74) N-amyl acetate	12.16	43	99824	41.833	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.59	83	54644	53.727	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	64644m	52.025	ug/l	
77) Bromobenzene	12.63	156	94843	51.281	ug/l	94
78) n-propylbenzene	12.69	91	480543	45.963	ug/l	98
79) 2-Chlorotoluene	12.77	91	269629	47.455	ug/l	97
80) 1,3,5-Trimethylbenzene	12.83	105	328386	47.234	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	30934	48.421	ug/l	96
82) 4-Chlorotoluene	12.87	91	273848	45.985	ug/l	97
83) tert-Butylbenzene	13.09	119	274137	47.075	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	331780	47.791	ug/l	99
85) sec-Butylbenzene	13.27	105	402877	46.441	ug/l	99
86) p-Isopropyltoluene	13.38	119	349504	46.811	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	177936	49.643	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	177109	48.678	ug/l	100
89) n-Butylbenzene	13.70	91	335012	43.774	ug/l	100
90) Hexachloroethane	13.97	117	68339	48.033	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	164146	50.399	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	12187	49.544	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	99631	46.801	ug/l	99
94) Hexachlorobutadiene	15.12	225	49928	46.565	ug/l	99
95) Naphthalene	15.25	128	248282	53.266	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	89242	48.278	ug/l	99

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

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