

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002060.D
 Acq On : 25 Mar 2020 11:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 3/26/2020 10:58:54 AM

Quant Time: Mar 26 06:43:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	153824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	275038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	247919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	114238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	77962	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	7.75	113	77814	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.20	98	307008	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.50	95	111133	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	62141	43.764	ug/l	94
3) Chloromethane	2.13	50	86329	45.096	ug/l	100
4) Vinyl Chloride	2.27	62	92258	47.379	ug/l	100
5) Bromomethane	2.67	94	60767	53.885	ug/l	100
6) Chloroethane	2.82	64	61457	50.243	ug/l	98
7) Trichlorofluoromethane	3.15	101	131875	49.937	ug/l	96
8) Diethyl Ether	3.55	74	52364	50.310	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	88636	52.184	ug/l	98
10) Methyl Iodide	4.13	142	104274	53.085	ug/l	99
11) Tert butyl alcohol	5.00	59	39632	230.116	ug/l	100
12) 1,1-Dichloroethene	3.91	96	87181	50.976	ug/l	94
13) Acrolein	3.76	56	54878	237.810	ug/l	99
14) Allyl chloride	4.52	41	162612	53.633	ug/l	100
15) Acrylonitrile	5.21	53	137045	246.403	ug/l	100
16) Acetone	3.98	43	143604	300.239	ug/l	98
17) Carbon Disulfide	4.23	76	258937	45.039	ug/l	99
18) Methyl Acetate	4.51	43	59521	48.432	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	239876	51.757	ug/l	97
20) Methylene Chloride	4.76	84	99747	48.659	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	98586	50.787	ug/l	96
22) Diisopropyl ether	6.16	45	330587	53.192	ug/l	94
23) Vinyl Acetate	6.10	43	1047288	257.047	ug/l	98
24) 1,1-Dichloroethane	6.05	63	178253	52.963	ug/l	99
25) 2-Butanone	7.02	43	191738	263.607	ug/l	100
26) 2,2-Dichloropropane	7.02	77	151234	54.748	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	110786	52.466	ug/l	99
28) Bromochloromethane	7.36	49	78641	51.839	ug/l	100
29) Tetrahydrofuran	7.38	42	113707	235.411	ug/l	100
30) Chloroform	7.53	83	168727	53.360	ug/l	99
31) Cyclohexane	7.81	56	172681	47.852	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	145848	54.725	ug/l	99
36) 1,1-Dichloropropene	7.94	75	139105	52.558	ug/l	99
37) Ethyl Acetate	7.11	43	75998	49.405	ug/l	100
38) Carbon Tetrachloride	7.93	117	121947	53.936	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	179624	51.169	ug/l	98
40) Benzene	8.19	78	412781	52.618	ug/l	100
41) Methacrylonitrile	7.35	41	40442m	58.419	ug/l	
42) 1,2-Dichloroethane	8.27	62	107057	52.960	ug/l	100
43) Isopropyl Acetate	8.30	43	146921	50.447	ug/l	99
44) Trichloroethene	8.96	130	100986	52.857	ug/l	98
45) 1,2-Dichloropropane	9.24	63	107450	54.487	ug/l	100
46) Dibromomethane	9.33	93	53354	52.501	ug/l	98
47) Bromodichloromethane	9.52	83	130918	55.380	ug/l	100
48) Methyl methacrylate	9.32	41	64867	50.195	ug/l	94
49) 1,4-Dioxane	9.32	88	13627	978.594	ug/l	99
51) 4-Methyl-2-Pentanone	10.09	43	376542	251.015	ug/l	100
52) Toluene	10.26	92	255214	53.554	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	141737	55.032	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	167834	54.740	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	77979	52.431	ug/l	98
56) Ethyl methacrylate	10.53	69	114591	52.566	ug/l	97
57) 1,3-Dichloropropane	10.81	76	139643	52.674	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	184818	241.418	ug/l	99
59) 2-Hexanone	10.85	43	281682	263.085	ug/l	99
60) Dibromochloromethane	11.00	129	86259	55.041	ug/l	100
61) 1,2-Dibromoethane	11.11	107	73419	52.114	ug/l	99
64) Tetrachloroethene	10.74	164	81513	52.428	ug/l	97
65) Chlorobenzene	11.53	112	263633	53.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	88303	54.510	ug/l	99
67) Ethyl Benzene	11.61	91	494913	53.720	ug/l	99
68) m/p-Xylenes	11.72	106	367273	107.828	ug/l	99
69) o-Xylene	12.05	106	173647	54.090	ug/l	98
70) Styrene	12.06	104	299161	54.409	ug/l	99
71) Bromoform	12.22	173	48870	55.627	ug/l #	98
73) Isopropylbenzene	12.35	105	473829	54.334	ug/l	99
74) N-amyl acetate	12.16	43	134790	50.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	95118	50.579	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	70465m	51.984	ug/l	
77) Bromobenzene	12.63	156	100296	54.283	ug/l	97
78) n-propylbenzene	12.69	91	583397	54.225	ug/l	100
79) 2-Chlorotoluene	12.77	91	319307	53.719	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	390665	54.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	34839	51.916	ug/l	99
82) 4-Chlorotoluene	12.87	91	338841	54.750	ug/l	100
83) tert-Butylbenzene	13.09	119	331995	55.677	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	390446	54.802	ug/l	100
85) sec-Butylbenzene	13.27	105	488609	55.592	ug/l	100
86) p-Isopropyltoluene	13.38	119	418407	55.185	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	195080	53.880	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	196061	53.378	ug/l	99
89) n-Butylbenzene	13.71	91	431116	54.807	ug/l	99
90) Hexachloroethane	13.97	117	80081	55.988	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	176504	53.661	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	14075	47.963	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	115273	54.039	ug/l	98
94) Hexachlorobutadiene	15.13	225	57316	55.112	ug/l	99
95) Naphthalene	15.25	128	256985	50.790	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	99848	53.134	ug/l	99

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

