

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021320\
 Data File : VY001633.D
 Acq On : 13 Feb 2020 17:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 5:27:18 PM

Quant Time: Feb 14 07:05:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	180306	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	319904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	290172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	137006	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	96334	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	7.75	113	88469	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
50) Toluene-d8	10.20	98	361375	51.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.49	95	134844	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	76756	43.489	ug/l	96
3) Chloromethane	2.13	50	100665	54.570	ug/l	96
4) Vinyl Chloride	2.27	62	104968	54.801	ug/l	99
5) Bromomethane	2.66	94	69351	57.571	ug/l	99
6) Chloroethane	2.81	64	67422	58.396	ug/l	98
7) Trichlorofluoromethane	3.15	101	141489	44.626	ug/l	100
8) Diethyl Ether	3.55	74	56169	52.499	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	87992	46.126	ug/l	98
10) Methyl Iodide	4.12	142	109016	44.849	ug/l	99
11) Tert butyl alcohol	5.00	59	54020	266.897	ug/l	99
12) 1,1-Dichloroethene	3.90	96	88973	46.935	ug/l	99
13) Acrolein	3.76	56	45132	262.549	ug/l	98
14) Allyl chloride	4.51	41	161877	55.821	ug/l	96
15) Acrylonitrile	5.21	53	150771	307.393	ug/l	99
16) Acetone	3.98	43	132440	252.204	ug/l	99
17) Carbon Disulfide	4.22	76	274924	45.557	ug/l	99
18) Methyl Acetate	4.51	43	68774	61.372	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	260696	51.712	ug/l	94
20) Methylene Chloride	4.75	84	104988	51.170	ug/l	90
21) trans-1,2-Dichloroethene	5.26	96	102151	48.473	ug/l	97
22) Diisopropyl ether	6.15	45	340022	59.182	ug/l	93
23) Vinyl Acetate	6.10	43	1127494	308.270	ug/l	95
24) 1,1-Dichloroethane	6.05	63	180798	52.317	ug/l	98
25) 2-Butanone	7.02	43	208625	306.227	ug/l	92
26) 2,2-Dichloropropane	7.02	77	152099	45.987	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	116296	50.525	ug/l	97
28) Bromochloromethane	7.36	49	78564	66.734	ug/l	86
29) Tetrahydrofuran	7.38	42	135376	331.531	ug/l	91
30) Chloroform	7.54	83	174401	49.821	ug/l	97
31) Cyclohexane	7.81	56	173793	49.163	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	146881	46.280	ug/l	97
36) 1,1-Dichloropropene	7.94	75	140734	48.089	ug/l	99
37) Ethyl Acetate	7.10	43	87876	62.028	ug/l	96
38) Carbon Tetrachloride	7.93	117	126704	44.749	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	181719	47.158	ug/l	99
40) Benzene	8.19	78	420591	50.386	ug/l	99
41) Methacrylonitrile	7.35	41	38317m	58.357	ug/l	
42) 1,2-Dichloroethane	8.26	62	119624	51.439	ug/l	99
43) Isopropyl Acetate	8.30	43	170960	60.948	ug/l	94
44) Trichloroethene	8.96	130	104871	46.609	ug/l	98
45) 1,2-Dichloropropane	9.24	63	108835	53.994	ug/l	98
46) Dibromomethane	9.33	93	57659	50.942	ug/l	98
47) Bromodichloromethane	9.52	83	135490	49.130	ug/l	97
48) Methyl methacrylate	9.31	41	76985	60.470	ug/l	92
49) 1,4-Dioxane	9.32	88	16268	1088.314	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	447280	323.789	ug/l	94
52) Toluene	10.26	92	263148	49.684	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	151011	50.274	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	174329	50.553	ug/l	94
55) 1,1,2-Trichloroethane	10.66	97	83797	51.601	ug/l	96
56) Ethyl methacrylate	10.52	69	128304	55.548	ug/l	92
57) 1,3-Dichloropropane	10.81	76	149247	52.136	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	241522	284.241	ug/l	95
59) 2-Hexanone	10.85	43	323800	322.383	ug/l	95
60) Dibromochloromethane	11.00	129	94615	49.428	ug/l	99
61) 1,2-Dibromoethane	11.11	107	80860	50.554	ug/l	97
64) Tetrachloroethene	10.74	164	84476	44.391	ug/l	98
65) Chlorobenzene	11.53	112	273797	48.056	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	94789	47.535	ug/l	100
67) Ethyl Benzene	11.61	91	510698	48.479	ug/l	100
68) m/p-Xylenes	11.72	106	381006	96.343	ug/l	99
69) o-Xylene	12.04	106	182231	48.872	ug/l	99
70) Styrene	12.06	104	319137	49.493	ug/l	98
71) Bromoform	12.22	173	54175	48.791	ug/l #	97
73) Isopropylbenzene	12.34	105	484485	46.366	ug/l	100
74) N-amyl acetate	12.16	43	161223	59.376	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	107196	53.996	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	79996m	54.295	ug/l	
77) Bromobenzene	12.62	156	107697	47.626	ug/l	95
78) n-propylbenzene	12.69	91	596746	47.704	ug/l	99
79) 2-Chlorotoluene	12.77	91	333613	46.787	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	405734	46.106	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	39430	51.783	ug/l	99
82) 4-Chlorotoluene	12.87	91	352436	47.142	ug/l	100
83) tert-Butylbenzene	13.09	119	343521	46.182	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	403658	46.346	ug/l	99
85) sec-Butylbenzene	13.27	105	498359	47.652	ug/l	100
86) p-Isopropyltoluene	13.38	119	430221	46.682	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	205863	47.503	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	206738	47.618	ug/l	99
89) n-Butylbenzene	13.71	91	437784	48.144	ug/l	99
90) Hexachloroethane	13.97	117	82707	46.757	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	190657	48.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17181	46.879	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	120918	45.689	ug/l	99
94) Hexachlorobutadiene	15.12	225	60297	44.890	ug/l	99
95) Naphthalene	15.25	128	288757	46.424	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	106996	45.799	ug/l	98

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

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