

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002689.D
 Acq On : 13 May 2020 16:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/14/2020 12:17:14 PM

Quant Time: May 14 08:17:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	332533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	474910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	404084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	197347	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	94335	33.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	67.48%	
35) Dibromofluoromethane	7.73	113	120891	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
50) Toluene-d8	10.18	98	513491	48.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.48	95	157563	43.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	126216	46.080	ug/l	99
3) Chloromethane	2.11	50	129127	47.929	ug/l	99
4) Vinyl Chloride	2.26	62	156269	50.233	ug/l	99
5) Bromomethane	2.66	94	96595	45.026	ug/l	99
6) Chloroethane	2.80	64	90607	48.779	ug/l	99
7) Trichlorofluoromethane	3.13	101	237021	49.160	ug/l	100
8) Diethyl Ether	3.54	74	58214	35.929	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	146750	49.801	ug/l	99
10) Methyl Iodide	4.10	142	178673	44.506	ug/l	98
11) Tert butyl alcohol	4.97	59	29628	102.997	ug/l	100
12) 1,1-Dichloroethene	3.88	96	142247	49.691	ug/l	97
13) Acrolein	3.74	56	15988	80.375	ug/l	94
14) Allyl chloride	4.49	41	193936	46.498	ug/l	98
15) Acrylonitrile	5.18	53	100688	131.778	ug/l	99
16) Acetone	3.96	43	67271	116.581	ug/l	93
17) Carbon Disulfide	4.21	76	419600	48.723	ug/l	99
18) Methyl Acetate	4.49	43	48137	24.967	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	254111	34.024	ug/l	98
20) Methylene Chloride	4.72	84	128904	39.948	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	154683	49.439	ug/l	96
22) Diisopropyl ether	6.13	45	364672	43.212	ug/l	94
23) Vinyl Acetate	6.07	43	858616	161.777	ug/l	100
24) 1,1-Dichloroethane	6.03	63	236603	47.391	ug/l	99
25) 2-Butanone	7.00	43	115808	122.604	ug/l	99
26) 2,2-Dichloropropane	6.99	77	219040	46.156	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	160421	46.338	ug/l	98
28) Bromochloromethane	7.35	49	84539	41.328	ug/l	98
29) Tetrahydrofuran	7.36	42	79497	127.207	ug/l	99
30) Chloroform	7.52	83	235672	45.398	ug/l	96
31) Cyclohexane	7.79	56	239245	47.606	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	234514	48.603	ug/l	100
36) 1,1-Dichloropropene	7.92	75	205460	51.607	ug/l	100
37) Ethyl Acetate	7.08	43	56832	27.779	ug/l	100
38) Carbon Tetrachloride	7.91	117	221856	51.042	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	274907	52.279	ug/l	99
40) Benzene	8.17	78	565081	49.144	ug/l	99
41) Methacrylonitrile	7.34	41	37440m	34.037	ug/l	
42) 1,2-Dichloroethane	8.24	62	115717	35.877	ug/l	99
43) Isopropyl Acetate	8.28	43	112455	29.320	ug/l	96
44) Trichloroethene	8.94	130	181369	50.472	ug/l	99
45) 1,2-Dichloropropane	9.22	63	124971	45.032	ug/l	99
46) Dibromomethane	9.31	93	55852	34.980	ug/l	99
47) Bromodichloromethane	9.50	83	165563	42.644	ug/l	99
48) Methyl methacrylate	9.30	41	53145	30.617	ug/l	98
49) 1,4-Dioxane	9.30	88	11848	560.432	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	277337	140.288	ug/l	99
52) Toluene	10.25	92	367844	49.777	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	152645	37.525	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	196055	41.691	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	83398	35.817	ug/l	98
56) Ethyl methacrylate	10.51	69	104523	33.744	ug/l	96
57) 1,3-Dichloropropane	10.79	76	142866	36.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	273497	167.430	ug/l	100
59) 2-Hexanone	10.83	43	184029	135.252	ug/l	99
60) Dibromochloromethane	10.99	129	112089	37.849	ug/l	100
61) 1,2-Dibromoethane	11.09	107	76888	33.349	ug/l	100
64) Tetrachloroethene	10.72	164	201224	56.047	ug/l	99
65) Chlorobenzene	11.52	112	385011	50.121	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	136110	47.734	ug/l	100
67) Ethyl Benzene	11.59	91	722685	53.559	ug/l	100
68) m/p-Xylenes	11.70	106	556586	106.608	ug/l	100
69) o-Xylene	12.03	106	254690	52.101	ug/l	98
70) Styrene	12.05	104	415697	49.743	ug/l	99
71) Bromoform	12.21	173	62736	35.448	ug/l #	99
73) Isopropylbenzene	12.33	105	734082	57.395	ug/l	100
74) N-amyl acetate	12.14	43	109052	35.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	66640	32.762	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	57554m	32.818	ug/l	
77) Bromobenzene	12.61	156	153787	48.127	ug/l	95
78) n-propylbenzene	12.67	91	846890	57.058	ug/l	100
79) 2-Chlorotoluene	12.75	91	445248	54.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	596499	56.263	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	28068	32.092	ug/l	99
82) 4-Chlorotoluene	12.85	91	451801	52.315	ug/l	100
83) tert-Butylbenzene	13.08	119	532247	57.256	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	570487	53.993	ug/l	99
85) sec-Butylbenzene	13.25	105	746616	57.880	ug/l	100
86) p-Isopropyltoluene	13.37	119	684451	56.629	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	306011	50.598	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	295543	49.351	ug/l	99
89) n-Butylbenzene	13.70	91	624891	56.793	ug/l	99
90) Hexachloroethane	13.96	117	126318	57.389	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	253039	46.889	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10408	27.450	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	173893	44.383	ug/l	99
94) Hexachlorobutadiene	15.11	225	130571	55.520	ug/l	99
95) Naphthalene	15.23	128	232817	32.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	131159	39.434	ug/l	100

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

