

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002083.D
 Acq On : 25 Mar 2020 21:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 3/26/2020 10:59:15 AM

Quant Time: Mar 26 09:05:19 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	130487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	245906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	226325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	111195	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	73095	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
35) Dibromofluoromethane	7.75	113	67050	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.20	98	265381	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
62) 4-Bromofluorobenzene	12.50	95	99544	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	46854	38.900	ug/l	96
3) Chloromethane	2.13	50	70500	43.413	ug/l	99
4) Vinyl Chloride	2.27	62	70827	42.878	ug/l	98
5) Bromomethane	2.66	94	52314	54.784	ug/l	99
6) Chloroethane	2.81	64	49295	47.508	ug/l	96
7) Trichlorofluoromethane	3.15	101	100826	45.008	ug/l	92
8) Diethyl Ether	3.55	74	48220	54.614	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	69505	48.239	ug/l	100
10) Methyl Iodide	4.12	142	76479	45.899	ug/l	99
11) Tert butyl alcohol	4.99	59	40866	285.068	ug/l	96
12) 1,1-Dichloroethene	3.90	96	67332	46.411	ug/l	92
13) Acrolein	3.76	56	52410	267.733	ug/l	96
14) Allyl chloride	4.51	41	133690	51.980	ug/l	98
15) Acrylonitrile	5.20	53	137244	290.893	ug/l	100
16) Acetone	3.97	43	99449	245.108	ug/l	97
17) Carbon Disulfide	4.22	76	197098	40.414	ug/l	99
18) Methyl Acetate	4.51	43	61670	59.155	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	224043	56.986	ug/l	96
20) Methylene Chloride	4.75	84	88403	50.838	ug/l	95
21) trans-1,2-Dichloroethene	5.26	96	80037	48.605	ug/l	98
22) Diisopropyl ether	6.16	45	298126	56.548	ug/l	98
23) Vinyl Acetate	6.10	43	998436	288.884	ug/l	100
24) 1,1-Dichloroethane	6.06	63	150518	52.721	ug/l	99
25) 2-Butanone	7.02	43	173568	281.304	ug/l	100
26) 2,2-Dichloropropane	7.02	77	113889	48.602	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	94934	53.000	ug/l	99
28) Bromochloromethane	7.36	49	72306	56.188	ug/l	98
29) Tetrahydrofuran	7.38	42	120709	294.602	ug/l	99
30) Chloroform	7.53	83	146499	54.616	ug/l	99
31) Cyclohexane	7.82	56	135319	44.205	ug/l	96
32) 1,1,1-Trichloroethane	7.74	97	117752	52.085	ug/l	98
36) 1,1-Dichloropropene	7.94	75	112225	47.425	ug/l	99
37) Ethyl Acetate	7.11	43	77278	56.189	ug/l	100
38) Carbon Tetrachloride	7.93	117	97788	48.375	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	141573	45.107	ug/l	96
40) Benzene	8.19	78	349421	49.818	ug/l	99
41) Methacrylonitrile	7.34	41	33002m	53.319	ug/l	
42) 1,2-Dichloroethane	8.27	62	98613	54.562	ug/l	99
43) Isopropyl Acetate	8.30	43	150144	57.661	ug/l	98
44) Trichloroethene	8.96	130	83788	49.051	ug/l	98
45) 1,2-Dichloropropane	9.24	63	94554	53.627	ug/l	100
46) Dibromomethane	9.33	93	47826	52.637	ug/l	99
47) Bromodichloromethane	9.52	83	115786	54.781	ug/l	99
48) Methyl methacrylate	9.32	41	66207	57.301	ug/l	96
49) 1,4-Dioxane	9.32	88	13302	1068.422	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	393129	293.119	ug/l	99
52) Toluene	10.26	92	215841	50.657	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	127732	55.470	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	146828	53.562	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	73008	54.904	ug/l	97
56) Ethyl methacrylate	10.53	69	110338	56.611	ug/l	94
57) 1,3-Dichloropropane	10.81	76	130069	54.875	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	178379	263.544	ug/l	99
59) 2-Hexanone	10.85	43	274050	286.280	ug/l	100
60) Dibromochloromethane	11.00	129	78830	56.260	ug/l	99
61) 1,2-Dibromoethane	11.11	107	68683	54.528	ug/l	100
64) Tetrachloroethene	10.74	164	68420	48.206	ug/l	97
65) Chlorobenzene	11.53	112	226693	50.269	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	79888	54.020	ug/l	99
67) Ethyl Benzene	11.61	91	416936	49.574	ug/l	98
68) m/p-Xylenes	11.72	106	311424	100.155	ug/l	99
69) o-Xylene	12.05	106	151243	51.606	ug/l	98
70) Styrene	12.06	104	266219	53.037	ug/l	100
71) Bromoform	12.22	173	45177	56.330	ug/l #	97
73) Isopropylbenzene	12.35	105	399424	47.056	ug/l	100
74) N-amyl acetate	12.16	43	140077	53.694	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	94473	51.611	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	58074m	44.015	ug/l	
77) Bromobenzene	12.63	156	119426m	66.406	ug/l	
78) n-propylbenzene	12.69	91	494991	47.267	ug/l	100
79) 2-Chlorotoluene	12.77	91	277893	48.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	333482	47.722	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	32473	49.715	ug/l	95
82) 4-Chlorotoluene	12.87	91	290031	48.146	ug/l	99
83) tert-Butylbenzene	13.09	119	277262	47.771	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	336666	48.546	ug/l	100
85) sec-Butylbenzene	13.27	105	412534	48.221	ug/l	100
86) p-Isopropyltoluene	13.38	119	355287	48.143	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	171030	48.531	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	175526	49.095	ug/l	99
89) n-Butylbenzene	13.71	91	362567	47.354	ug/l	98
90) Hexachloroethane	13.97	117	68828	49.438	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	160002	49.975	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	15100	52.864	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	102704	49.465	ug/l	99
94) Hexachlorobutadiene	15.12	225	48547	47.958	ug/l	100
95) Naphthalene	15.25	128	257657	52.317	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	92457	50.548	ug/l	99

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

