

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
 Data File : VY001042.D
 Acq On : 24 Dec 2019 13:03
 Operator : SY/MD
 Sample : K6396-05MSD
 Misc : 6.43G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2-(4-5)MSD

Manual Integrations
 APPROVED

apatel
 12/26/2019 12:30:05 PM

Quant Time: Dec 25 03:50:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	146053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	259616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	229508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	105776	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	74186	51.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.00%	
35) Dibromofluoromethane	7.72	113	73328	47.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.94%	
50) Toluene-d8	10.18	98	309749	51.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.48	95	102609	46.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	64442	50.635	ug/l	99
3) Chloromethane	2.12	50	85572	49.403	ug/l	100
4) Vinyl Chloride	2.25	62	86835	51.622	ug/l	97
5) Bromomethane	2.66	94	55268	52.639	ug/l	96
6) Chloroethane	2.80	64	55803	53.263	ug/l	99
7) Trichlorofluoromethane	3.13	101	121911	49.412	ug/l	95
8) Diethyl Ether	3.54	74	51196	50.834	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	80179	49.473	ug/l	98
10) Methyl Iodide	4.10	142	110298	49.258	ug/l	99
11) Tert butyl alcohol	4.97	59	35398	223.492	ug/l #	89
12) 1,1-Dichloroethene	3.88	96	81150	49.458	ug/l	97
13) Acrolein	3.74	56	34276	174.659	ug/l	97
14) Allyl chloride	4.49	41	128608	50.455	ug/l	99
15) Acrylonitrile	5.18	53	123559	245.482	ug/l	97
16) Acetone	3.96	43	74068	223.197	ug/l	100
17) Carbon Disulfide	4.20	76	264103	49.258	ug/l	98
18) Methyl Acetate	4.49	43	73770	57.942	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	215712	50.937	ug/l	97
20) Methylene Chloride	4.72	84	99665	51.024	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	90493	49.765	ug/l	97
22) Diisopropyl ether	6.13	45	270905	52.581	ug/l	99
23) Vinyl Acetate	6.08	43	647976	199.145	ug/l	97
24) 1,1-Dichloroethane	6.03	63	152514	50.092	ug/l	100
25) 2-Butanone	7.00	43	141703	243.069	ug/l	99
26) 2,2-Dichloropropane	6.99	77	117322	46.902	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	100948	50.530	ug/l	99
28) Bromochloromethane	7.34	49	69215	58.264	ug/l	99
29) Tetrahydrofuran	7.36	42	100108	241.407	ug/l	99
30) Chloroform	7.52	83	146079	50.740	ug/l	98
31) Cyclohexane	7.79	56	154504	48.259	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	124123	50.541	ug/l	99
36) 1,1-Dichloropropene	7.93	75	122451	49.441	ug/l	99
37) Ethyl Acetate	7.09	43	63866	46.570	ug/l	99
38) Carbon Tetrachloride	7.91	117	106397	49.032	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	162398	49.376	ug/l	94
40) Benzene	8.17	78	372986	49.919	ug/l	98
41) Methacrylonitrile	7.33	41	28927m	48.652	ug/l	
42) 1,2-Dichloroethane	8.25	62	91311	51.114	ug/l	100
43) Isopropyl Acetate	8.28	43	122304	48.177	ug/l	100
44) Trichloroethene	8.94	130	96400	48.966	ug/l	98
45) 1,2-Dichloropropane	9.22	63	95258	50.819	ug/l	95
46) Dibromomethane	9.31	93	48569	50.265	ug/l	99
47) Bromodichloromethane	9.50	83	111815	49.957	ug/l	98
48) Methyl methacrylate	9.30	41	56184	51.862	ug/l	97
49) 1,4-Dioxane	9.30	88	15152	1071.968	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	322193	243.499	ug/l	99
52) Toluene	10.24	92	225878	49.116	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	119104	49.032	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	146558	50.176	ug/l	93
55) 1,1,2-Trichloroethane	10.64	97	73381	50.870	ug/l	92
56) Ethyl methacrylate	10.51	69	98578	48.016	ug/l	100
57) 1,3-Dichloropropane	10.79	76	128719	50.908	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	181435	228.807	ug/l	98
59) 2-Hexanone	10.83	43	229662	250.842	ug/l	99
60) Dibromochloromethane	10.98	129	78293	50.811	ug/l	97
61) 1,2-Dibromoethane	11.08	107	68528	49.679	ug/l	98
64) Tetrachloroethene	10.72	164	104771	52.760	ug/l	98
65) Chlorobenzene	11.51	112	233496	49.046	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	80911	51.501	ug/l	97
67) Ethyl Benzene	11.59	91	431231	50.360	ug/l	100
68) m/p-Xylenes	11.70	106	324543	99.819	ug/l	100
69) o-Xylene	12.02	106	154359	50.465	ug/l	99
70) Styrene	12.04	104	258248	49.654	ug/l	99
71) Bromoform	12.20	173	42765	48.886	ug/l #	97
73) Isopropylbenzene	12.33	105	399744	48.836	ug/l	99
74) N-amyl acetate	12.14	43	92124	42.840	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	78889	48.922	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	66099m	50.689	ug/l	
77) Bromobenzene	12.60	156	90717	49.278	ug/l	98
78) n-propylbenzene	12.67	91	489022	49.030	ug/l	99
79) 2-Chlorotoluene	12.75	91	269175	48.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	332649	49.578	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	28381	46.419	ug/l #	82
82) 4-Chlorotoluene	12.85	91	281150	49.143	ug/l	100
83) tert-Butylbenzene	13.07	119	272999	48.471	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	327167	48.524	ug/l	98
85) sec-Butylbenzene	13.25	105	398545	47.999	ug/l	99
86) p-Isopropyltoluene	13.36	119	351274	48.892	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	170706	48.281	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	172091	48.249	ug/l	99
89) n-Butylbenzene	13.69	91	346897	47.990	ug/l	100
90) Hexachloroethane	13.95	117	64236	47.455	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	160447	49.195	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	12313	45.639	ug/l	94

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93) 1,2,4-Trichlorobenzene	15.00	180	104532	47.484	ug/l	99
94) Hexachlorobutadiene	15.11	225	46470	44.359	ug/l	99
95) Naphthalene	15.23	128	248747	48.047	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	93644	47.699	ug/l	98

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

