

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
 Data File : VY002328.D
 Acq On : 15 Apr 2020 11:59
 Operator : SY/MD
 Sample : VY0415SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 10:31:50 AM

Quant Time: Apr 16 06:59:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	157640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	281684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252411	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	116870	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	79553	45.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.76%	
35) Dibromofluoromethane	7.74	113	85060	50.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.50%	
50) Toluene-d8	10.19	98	353767	50.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.49	95	114344	49.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	29049	18.233	ug/l	97
3) Chloromethane	2.13	50	38178	19.040	ug/l	97
4) Vinyl Chloride	2.26	62	40591	19.019	ug/l	97
5) Bromomethane	2.65	94	24715	18.752	ug/l	100
6) Chloroethane	2.80	64	23158	18.815	ug/l	90
7) Trichlorofluoromethane	3.14	101	53518	19.417	ug/l	96
8) Diethyl Ether	3.55	74	23683	20.212	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.93	101	38483	20.554	ug/l	97
10) Methyl Iodide	4.11	142	43291	19.892	ug/l	98
11) Tert butyl alcohol	4.98	59	24849	114.976	ug/l #	90
12) 1,1-Dichloroethene	3.89	96	39656	20.834	ug/l	90
13) Acrolein	3.75	56	20008	88.517	ug/l	99
14) Allyl chloride	4.51	41	55294	17.989	ug/l	94
15) Acrylonitrile	5.19	53	59390	99.115	ug/l	99
16) Acetone	3.97	43	45425	98.380	ug/l	96
17) Carbon Disulfide	4.21	76	126499	20.011	ug/l	99
18) Methyl Acetate	4.50	43	27144	18.953	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	98550	19.694	ug/l	99
20) Methylene Chloride	4.74	84	50002	22.033	ug/l	91
21) trans-1,2-Dichloroethene	5.24	96	44073	20.628	ug/l	97
22) Diisopropyl ether	6.15	45	113943	18.420	ug/l	98
23) Vinyl Acetate	6.08	43	359735	91.258	ug/l	97
24) 1,1-Dichloroethane	6.04	63	68200	19.384	ug/l	100
25) 2-Butanone	7.01	43	68154	93.271	ug/l	92
26) 2,2-Dichloropropane	7.00	77	55881	18.987	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	47444	20.371	ug/l	94
28) Bromochloromethane	7.36	49	28451	18.732	ug/l	93
29) Tetrahydrofuran	7.36	42	45423	94.041	ug/l	93
30) Chloroform	7.53	83	65329	19.697	ug/l	97
31) Cyclohexane	7.80	56	69793	18.898	ug/l	92
32) 1,1,1-Trichloroethane	7.72	97	53406	19.346	ug/l	99
36) 1,1-Dichloropropene	7.94	75	55419	19.974	ug/l	97
37) Ethyl Acetate	7.10	43	30318	19.128	ug/l	98
38) Carbon Tetrachloride	7.92	117	46335	19.524	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	75780	20.078	ug/l	93
40) Benzene	8.18	78	171521	20.376	ug/l	99
41) Methacrylonitrile	7.34	41	13150m	14.064	ug/l	
42) 1,2-Dichloroethane	8.25	62	39451	18.919	ug/l	97
43) Isopropyl Acetate	8.29	43	51984	17.983	ug/l	95
44) Trichloroethene	8.96	130	50250	20.304	ug/l	92
45) 1,2-Dichloropropane	9.23	63	40628	19.452	ug/l	96
46) Dibromomethane	9.32	93	22751	20.833	ug/l	98
47) Bromodichloromethane	9.51	83	49635	19.808	ug/l	94
48) Methyl methacrylate	9.30	41	23102	17.823	ug/l	90
49) 1,4-Dioxane	9.31	88	6740	436.306	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	144367	95.840	ug/l	95
52) Toluene	10.25	92	104864	20.670	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	54186	19.847	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	65474	19.948	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	33561	20.991	ug/l	97
56) Ethyl methacrylate	10.52	69	44499	19.501	ug/l	93
57) 1,3-Dichloropropane	10.80	76	57531	20.472	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	119313	100.968	ug/l	98
59) 2-Hexanone	10.85	43	99908	95.566	ug/l	96
60) Dibromochloromethane	11.00	129	35453	20.795	ug/l	100
61) 1,2-Dibromoethane	11.10	107	31467	20.673	ug/l	98
64) Tetrachloroethene	10.73	164	52530	20.584	ug/l	98
65) Chlorobenzene	11.53	112	108512	20.681	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	36099	20.839	ug/l	99
67) Ethyl Benzene	11.60	91	195794	20.384	ug/l	99
68) m/p-Xylenes	11.71	106	149720	41.616	ug/l	96
69) o-Xylene	12.04	106	70367	20.833	ug/l	97
70) Styrene	12.05	104	121084	20.663	ug/l	98
71) Bromoform	12.22	173	19430	20.625	ug/l #	98
73) Isopropylbenzene	12.34	105	186638	20.328	ug/l	99
74) N-amyl acetate	12.15	43	46791	17.953	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	23974	21.582	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	25120m	18.510	ug/l	
77) Bromobenzene	12.62	156	40682	20.140	ug/l	98
78) n-propylbenzene	12.68	91	226608	19.845	ug/l	98
79) 2-Chlorotoluene	12.77	91	123821	19.953	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	151932	20.009	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.39	75	14227	20.390	ug/l	96
82) 4-Chlorotoluene	12.86	91	127357	19.581	ug/l	97
83) tert-Butylbenzene	13.08	119	127874	20.105	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	152016	20.048	ug/l	99
85) sec-Butylbenzene	13.26	105	192612	20.329	ug/l	100
86) p-Isopropyltoluene	13.38	119	165975	20.353	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	81004	20.692	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	79962	20.122	ug/l	99
89) n-Butylbenzene	13.70	91	166387	19.906	ug/l	100
90) Hexachloroethane	13.97	117	29911	19.248	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	72503	20.382	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5243	19.515	ug/l	94

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93) 1,2,4-Trichlorobenzene	15.02	180	46499	19.999	ug/l	98
94) Hexachlorobutadiene	15.13	225	22784	19.455	ug/l	97
95) Naphthalene	15.25	128	102459	20.126	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	40668	20.143	ug/l	100

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

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